PB87-138749

Guidance for the Reregistration of Manufacturing-Use and Certain End-Use Pesticide Products Containing Alkyl* dimethyl Benzyl Ammonium Chloride as the Active Ingredient. Volume 2

(U.S.) Environmental Protection Agency
Washington, DC

Sep 85

U.S. Department of Commerce
National Technical Information Service
NTIS

50272-101

REPORT DOCUMENTATION PAGE

1. REPORT NO.

2.

3. PB87-138749

4. Title and Subtitle
Guidance for the Reregistration of Pesticide Products Containing ADBAC (vol. 2) as the Active Ingredient.

5. Report Date
Issued 9/85

6.

7. Author(s)
EPA, Office of Pesticide Programs, Registration Division

8. Performing Organization Rept. No.
540/RS-87- 133

9. Performing Organization Name and Address
US Environmental Protection Agency
Office of Pesticide Programs
Registration Division TS-767C
401 M Street, SW
Washington, D. C. 20460

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.
(C)
(G)

12. Sponsoring Organization Name and Address
Same as #9

13. Type of Report & Period Covered

14.

15. Supplementary Notes

16. Abstract (Limit: 200 words)

This document contains information regarding the reregistration of pesticide products containing the subject active ingredient. The document includes how to register under a registration standard, regulatory position and rationale, and summaries of data requirements and data gaps. Also included is a bibliography containing citations of all studies reviewed by EPA in arriving at the positions and conclusions contained in the standard.

17. Document Analysis a. Descriptors

Pesticides, standards, regulations, manufacturing, chemistry, toxicology, residues, ecology, path of pollutants.

b. Identifiers/Open-Ended Terms

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL
INFORMATION SERVICE
SPRINGFIELD, VA. 22161

c. COSATI Field/Group

18. Availability Statement
Publicly Available

19. Security Class (This Report)
Unclassified

20. Security Class (This Page)
Unclassified

21. No. of Pages
224

22. Price

(See ANSI–Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4–77)
(Formerly NTIS–35)
Department of Commerce

540/RS-87-133

GUIDANCE FOR THE REREGISTRATION OF MANUFACTURING-USE AND CERTAIN END-USE PESTICIDE PRODUCTS

CONTAINING

Alkyl*dimethyl benzyl ammonium chloride
*Alkyl (50% C14, 40% C12, 10% C16)
(069105)

CASE NUMBER 350

CAS 68424-85-1

ENVIRONMENTAL PROTECTION AGENCY

OFFICE OF PESTICIDE PROGRAMS

WASHINGTON, D. C. 20460

September 1985

VOLUME TWO

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HYAMINE 3500

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a069105

ALKYL*DIMETHYL BENZYL AMMONIUM CHLORIDE**
*ALKYL (50% C14, 40% C12, 10% C16)

TYPE PESTICIDE: Antimicrobial, Algaecide, Fungicide and Insecticide

FORMULATIONS:

FI (8.82%, 50%, 80%)
G (5%)
P/T (24%)
EC (0.25%, 0.8%, 1.47%, 24.5%)
SC/S (1.14%, 1.84%, 1.9%, 2.5%, 5%)
SC/L (1%, 1.25%, 1.4%, 1.47%, 1.5%, 1.52%, 1.6%, 1.67%, 1.9%, 2%, 2.2%, 2.21%, 2.25%, 2.38%, 2.4%, 2.5%, 2.52%, 2.6%, 2.7%, 2.75%, 2.8%, 2.94%, 3%, 3.03%, 3.1%, 3.2%, 3.25%, 3.3%, 3.42%, 3.5%, 3.6%, 3.67%, 3.8%, 3.9%, 3.96%, 4%, 4.25%, 4.5%, 4.75%, 4.8%, 5%, 5.05%, 5.12%, 5.2%, 5.4%, 5.6%, 6%, 6.25%, 6.5%, 6.66%, 7%, 7.5%, 8%, 9%, 9.4%, 10%, 10.24%, 10.25%, 10.41%, 10.5%, 12%, 12.5%, 12.8%, 13%, 15%, 15.2%, 15.3%, 17%, 17.4%, 20%, 25%, 40%, 44%, 50%, 56%, 80%)
RTU (0.063%, 0.13%, 0.133%, 0.135%, 0.2%, 0.27%, 0.28%, 0.3%, 0.378%, 0.4%, 0.5%, 0.58%, 0.6%, 0.86%, 1%, 1.5%, 1.72%, 2%, 2.5%, 3.44%, 4%, 4.8%, 5%, 5.43%, 6%, 7%, 9%, 9.88%, 10%, 10.24%, 14%, 16%, 16.5%, 20%, 22%, 30%, 40%, 50%, 80%)
PrL (0.1%, 0.15%, 0.156%, 0.23%, 0.384%, 0.4%, 0.63%)

PRESENTATION OF INFORMATION: All final concentrations are expressed in parts per million total active ingredient(s). Concentrations are rounded to the nearest whole number when the value is less than 1,000 and to the third significant figure when the value is greater than 1,000. Unless otherwise stated, the dilutions are the ratio of the volume of the product to be diluted to the volume of water in which the product is diluted. The dilutions are rounded to the nearest whole number. In some instances, dosages are given as weight of product based on the total weight of the material being treated.

When Hyamine 3500 (Alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16)) is formulated with quaternary ammonium compounds or other active ingredients, separate ppm calculations are given in the following order: 1) Hyamine 3500, 2) other quaternary ammonium compounds, and 3) other active ingredients.

For site, dose and use direction information involving Hyamine 3500 and other active ingredients, refer to the table below.

Report Number	Chemical Combinations
V.1-069105	Alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16)
V.2-069105	Alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) and OTHER ACTIVE INGREDIENTS

**Hyamine 3500

GENERAL WARNINGS AND LIMITATIONS: For claims/uses against microorganisms of significance for human health, efficacy data is formula specific (including inerts) and cannot be extrapolated.

Refer to individual sites for general warnings and limitations that are specific for that particular site.

Do not mix any products containing a quaternary ammonium compound in its formulation with soaps or anionic detergents as these mixtures will reduce the effectiveness of the product. Quaternary ammonium compounds should not be mixed with other chemicals, particularly oxidizing agents such as chlorine, since such mixtures can form potentially explosive compounds. Hard water may reduce the effectiveness of quaternary ammonium compounds.

This chemical is toxic to fish. Do not apply in marine and/or estuarine oil fields, nor discharge treated effluent into lakes, streams, ponds, or public water.

Phenolic products should not be mixed with anything but water. For best results, add water to the products.

Note all cautions concerning products under pressure. Do not puncture or incinerate containers. Do not use near heat or open flame. Do not expose to temperature above 120 F (48.9 C).

Apply product only as specified on the label and technical data sheet.

Read labels very carefully for specific warnings, human toxicity statements, and environmental cautions.

Follow label directions for the disposal of the product container when empty.

Definition of Terms:
a.i. - active ingredient
ppm - parts per million
quat - quaternary ammonium compound

Site, Efficacy, Dosage and Formulation	Use Directions

AQUATIC NON-FOOD

(Aquatic Sites)

/65018MA **Air Washer Water Systems**

General Instructions for Use: The products registered for this site are intended to control the growth of slime-forming bacteria, fungi, and algae.

Badly fouled systems must be cleaned by any suitable means before treatment is begun. Make application at a point in the system where the chemical will be uniformly mixed. When algal or microbial growth is noticed, an initial high concentration dosage is used and repeated until control is achieved. When control is evident, a subsequent dosage of lower concentration is used to maintain control. Should algae or slime become visible again, the initial slug dose should be used, followed by the maintenance procedure.

A28	Microbicide/microbistat
DBABAAA	Slime-forming bacteria
E[illegible]BB	Slime-forming fungi
E[illegible]AA	Algae

34-61 ppm quat (5.43% RTU)	Initial treatment. Apply 80 to 144 fluid ounces of product per 1,000 gallons of water and repeat until control is evident. Follow with the subsequent treatment.
30 ppm quat (10% RTU)	Initial treatment. Apply 4 ounces (by weight) of a.i. or 38 fluid ounces of product per 1,000 gallons of water. Repeat once a week until control is evident. Follow with the subsequent treatment.
27-55 ppm quat (16% RTU)	Initial treatment. Apply 3.6 to 7.2 ounces (by weight) of a.i. or 22 to 44 fluid ounces of product per 1,000 gallons of water and repeat until control is evident.
14-31 ppm quat (5.43% RTU)	Subsequent treatment. Apply 32 to 72 fluid ounces of product per 1,000 gallons of water. Repeat every 5 days or as needed to maintain control.
10 ppm quat (10% RTU)	Subsequent treatment. Apply 1.37 ounces (by weight) of a.i. or 13 fluid ounces of product per 1,000 gallons of water. Repeat once a week.

Site, Efficacy, Dosage and Formulation	Use Directions

Air Washer Water Systems (continued)

10-20 ppm quat (16% RTU) — Subsequent treatment. Apply 1.31 to 2.62 ounces (by weight) of a.i. or 8 to 16 fluid ounces of product per 1,000 gallons of water. Repeat every 1 to 6 days or as needed.

/65030MB Baths and Whirpool Baths

General Instructions for Use: The product registered for this site is intended to clean and disinfect whirlpool baths. Drain whirlpool to just below water intake. Add product and start pump to circulate solution. Wash surfaces with a swab or sponge. Drain and rinse with fresh water.

A18 Pseudomonacide
A22 Disinfectant
A29 Fungicide

769 ppm quat (5% SC/L) — Disinfection and cleaning of surfaces.

/65005MA Brewery Pasteurizer Water

General Instructions for Use: The products registered for this site are intended to control slime-forming bacteria in tunnel pasteurizers and container warmers. Drain, clean, and refill pasteurizer prior to initial treatment. Add product to the water system by manual or automatic proportioner methods. Add product to each compartment or tank and allow for equal distribution throughout the pasteurizer system. Maintain concentration of product in the system by daily monitoring and addition of product. Periodically drain and clean the system.

A28 Microbicide/microbistat
DBABAAA Slime-forming bacteria

45 ppm quat (15% SC/L) — Add product at the first compartment of the pasteurizer, and repeat as needed to maintain control.

35 ppm quat (9% RTU) — Apply 50 fluid ounces of product per 1,000 gallons of water. Add to the pump well of each compartment to ensure even distribution.

Site, Efficacy, Dosage and Formulation — Use Directions

Brewery Pasteurizer Water (continued)

53 ppm quat
(9% RTU)

Apply 75 fluid ounces of product per 1,000 gallons of water. Add to the pump well of each compartment to ensure even distribution. Subsequent daily additions may be made in proportion to the amount of make-up water required.

/65019MA **Commercial and Industrial Water Cooling Towers and Evaporative Condensers**

General Instructions for Use: The products registered for this site are intended to control the growth of slime-forming bacteria, fungi, and algae which impair the efficiency of the system. Methods of application may be slug feed treatment, intermittent feed treatment, or continuous feed treatment.

Slug Feed Treatment - Treatment that involves addition of a single specified dose. Treatment may be repeated at intervals, usually once a day or less frequently.

Intermittent Feed Treatment - Treatment that is on a semi-continuous basis. The treatment provides a continuous dosage over a brief period and is repeated at stated intervals.

Continuous Feed Treatment - Treatment that is on an uninterrupted basis to provide a sustained concentration. Usually an initial slug dose is used to establish control prior to continuous treatment.

When algal or microbial growth is noticed, an initial high concentration dosage is used and repeated until control is achieved. When control is evident, a subsequent dosage of lower concentration is used to maintain control. Should algae or slime become visible again, the initial slug dose should be used, followed by the maintenance procedure.

Badly fouled systems must be cleaned by any suitable means before treatment is begun.

Products may be fed by drip-feed device, measuring container, or suitable chemical pump such as proportioning, variable speed positive displacement, or reciprocating types. Manual additions may also be used. Products should be fed at a location in

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
		the system where they will be uniformly mixed and evenly distributed.
		Hyamine treatment recommendations may vary depending upon the relative amount of bleed-off, and severity of the problem. Bacteriological and chemical tests should be performed to determine the nature of the problem, establish the number and type of algae and microorganisms present, and estimate the amount of the proper dosage needed for treatment.
A28	Microbicide/microbistat	
DBABAAA	Slime-forming bacteria	
FYAFQBB	Slime-forming fungi	
PKAAAAA	Algae	
		Continuous and/or Intermittent Feed Treatment.
	13-17 ppm quat (7% SC/L)	Initial treatment. Apply 24 to 32 fluid ounces of product per 1,000 gallons of water.
	30-60 ppm quat (10% SC/L) (10% RTU)	Initial treatment. Apply 4 to 8 ounces (by weight) of a.i. or 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.
	25-50 ppm quat (0.86% RTU)	Initial treatment. Apply 3.35 to 6.7 ounces (by weight) a.i. or 373.76 to 747.5 fluid ounces of product per 1,000 gallons of water. When using continuous feed equipment, add half of this dosage when half of the water in the system has been lost by bleed-off.
	30-60 ppm quat (1% RTU)	Initial treatment. Apply 4 to 8 ounces (by weight) of a.i. or 384 to 768 fluid ounces of product per 1,000 gallons of water.
	25-50 ppm quat (1.72% RTU)	Initial treatment. Apply 3.3 to 6.6 ounces (by weight) of a.i. or 186.88 to 373.76 fluid ounces of product per 1,000 gallons of water. When using continuous equipment, add half of this dosage when half of the water in the system has been lost by bleed-off.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
25-50 ppm quat (3.44% RTU)	Initial application. Apply 3.4 to 6.8 ounces (by weight) of a.i. or 93.44 to 186.88 fluid ounces of product per 1,000 gallons of water. When using continuous feed equipment, add half of this dosage when half of the water in the system has been lost by bleed-off.
30-60 ppm quat (5% RTU)	Initial treatment. Apply 76.8 to 153.6 fluid ounces of product per 1,000 gallons of water.
34-61 ppm quat (5.43% RTU)	Initial treatment. Apply 80 to 144 fluid ounces of product per 1,000 gallons of water.
34-60 ppm quat (6% RTU)	Initial treatment. Apply 72 to 128 fluid ounces of product per 1,000 gallons of water.
4-13 ppm quat (7% RTU)	Initial treatment. Apply 0.56 to 1.68 ounces (by weight) of a.i. per 1,000 gallons of water.
31-62 ppm quat (9.88% RTU)	Initial treatment. Apply 40 to 80 fluid ounces of product per 1,000 gallons of water.
10 ppm quat (10% RTU)	Initial treatment. Apply 12.8 fluid ounces of product per 1,000 gallons of water.
30 ppm quat (10% RTU)	Initial treatment. Apply 4 ounces (by weight) of a.i. or 38 fluid ounces of product per 1,000 gallons of water.
29-57 ppm quat (10% RTU)	Initial treatment. Apply 3.8 to 7.6 ounces (by weight) of a.i. or 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.
30-60 ppm quat (10% RTU)	Initial treatment. Apply 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.
30-60 ppm quat (10% RTU)	Initial treatment. Apply 4 to 8 ounces (by weight) of a.i. or 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.
31-62 ppm quat (10% RTU)	Initial treatment. Apply 4.13 to 8.26 ounces (by weight) of a.i. or 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.
32-63 ppm quat (10% RTU)	Initial treatment. Apply 4.2 to 8.4 ounces (by weight) of a.i. or 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
20-30 ppm quat (16% RTU)	Initial treatment. Apply 2.66 to 3.99 ounces (by weight) of a.i. or 16 to 24 fluid ounces of product per 1,000 gallons of water.
20-39 ppm quat (16% RTU)	Initial treatment. Apply 2.62 to 5.24 ounces (by weight) of a.i. or 16 to 32 fluid ounces of product per 1,000 gallons of water.
33-66 ppm quat (16.5% RTU)	Initial treatment. Apply 25.6 to 51.2 fluid ounces of product per 1,000 gallons of water.
30-60 ppm quat (20% RTU)	Initial treatment. Apply 19.2 to 38.4 fluid ounces of product per 1,000 gallons of water.
28-55 ppm quat (22% RTU)	Initial treatment. Apply 3.66 to 7.32 ounces (by weight) of a.i. or 16 to 32 fluid ounces of product per 1,000 gallons of water. Use the higher dosage when water is cloudy with slime, and repeat until control is evident. Then use the lower dosage.
30-60 ppm quat (30% RTU)	Initial treatment. Apply 4 to 8 ounces (by weight) of a.i. or 12.8 to 25.6 fluid ounces of product per 1,000 gallons of water.
21-31 ppm quat (50% RTU)	Initial treatment. Apply 2.69 to 3.93 ounces (by weight) of a.i. or 5.5 to 8 fluid ounces of product per 1,000 gallons of water.
9-13 ppm quat (7% SC/L)	Subsequent treatment. Apply 16 to 24 fluid ounces of product per 1,000 gallons of water.
10 ppm quat (10% SC/L) (10% RTU)	Subsequent treatment. Apply 1.33 ounces (by weight) of a.i. or 12.8 fluid ounces of product per 1,000 gallons of bleed-off.
8-25 ppm quat (0.86% RTU)	Subsequent treatment. Apply 1.1 to 3.35 ounces (by weight) of a.i. or 124.4 to 373.76 fluid ounces of product per 1,000 gallons of bleed-off.
20 ppm quat (1% RTU)	Subsequent treatment. Apply 2.66 ounces (by weight) of a.i. or 256 fluid ounces of product per 1,000 gallons of bleed-off.
20-30 ppm quat (1% RTU)	Subsequent treatment. Apply 2.66 to 4 ounces (by weight) of a.i. or 256 to 384 fluid ounces of product per 1,000 gallons of water.

Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)

Site, Efficacy, Dosage and Formulation	Use Directions
8-25 ppm quat (1.72% RTU)	Subsequent treatment. Apply 1.1 to 3.3 ounces (by weight) of a.i. or 62.21 to 186.88 fluid ounces of product per 1,000 gallons of bleed-off.
8-25 ppm quat (3.44% RTU)	Subsequent treatment. Apply 1.1-3.39 ounces (by weight) of a.i. or 31 to 93 fluid ounces of product per 1,000 gallons of bleed-off.
13-25 ppm quat (3.44% RTU)	Subsequent treatment. Apply 1.7 to 3.4 ounces (by weight) of a.i. or 47.36 to 93.44 fluid ounces of product per 1,000 gallons of water.
15-30 ppm quat (5% RTU)	Subsequent treatment. Apply 38.4 to 76.8 fluid ounces of product per 1,000 gallons of water. Treat once a week or as needed to maintain control.
14-31 ppm quat (5.43% RTU)	Subsequent treatment. Apply 32 to 72 fluid ounces of product per 1,000 gallons of water.
15-30 ppm quat (6% RTU)	Subsequent treatment. Apply 32 to 64 fluid ounces of product per 1,000 gallons of water.
4-13 ppm quat (7% RTU)	Subsequent treatment. Apply 0.56 to 1.68 ounces (by weight) of a.i. per 1,000 gallons of water.
12-31 ppm quat (9.88% RTU)	Subsequent treatment. Apply 16 to 40 fluid ounces of product per 1,000 gallons of water.
10 ppm quat (10% RTU)	Subsequent treatment. Apply 12.8 fluid ounces of product per 1,000 gallons of bleed-off.
10 ppm quat (10% RTU)	Subsequent treatment. Apply 1.34 ounces (by weight) of a.i. or 12.8 fluid ounces of product per 1,000 gallons of bleed-off.
20 ppm quat (10% RTU)	Subsequent treatment. Apply 2.7 ounces (by weight) of a.i. or 25.6 fluid ounces of product per 1,000 gallons of bleed-off.
10-30 ppm quat (10% RTU)	Subsequent treatment. Apply 1.3 to 4 ounces (by weight) of a.i. or 12.8 to 38.4 fluid ounces of product per 1,000 gallons of water.
10-30 ppm quat (10% RTU)	Subsequent treatment. Apply 12.8 to 38.4 fluid ounces of product per 1,000 gallons of water.
10-31 ppm quat (10% RTU)	Subsequent treatment. Apply 12.8 to 40 fluid ounces of product per 1,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
20-30 ppm quat (10% RTU)	Subsequent treatment. Apply 2.7 to 4 ounces (by weight) of a.i. or 25.6 to 38.4 fluid ounces of product per 1,000 gallons of water.
10-29 ppm quat (10% RTU)	Subsequent treatment. Apply 1.27 to 3.8 ounces (by weight) of a.i. or 12.8 to 38.4 fluid ounces of product per 1,000 gallons of water.
18-22 ppm quat (16% RTU)	Subsequent treatment. Apply 2.33 to 2.99 ounces (by weight) of a.i. or 14 to 18 fluid ounces of product per 1,000 gallons of water.
5-15 ppm quat (16% RTU)	Subsequent treatment. Apply 0.66 to 1.96 ounces (by weight) of a.i. or 4 to 12 fluid ounces of product per 1,000 gallons of water.
10-29 ppm quat (16.5% RTU)	Subsequent treatment. Apply 7.5 to 22.6 fluid ounces of product per 1,000 gallons of water.
10 ppm quat (20% RTU)	Subsequent treatment. Apply 6.4 fluid ounces of product per 1,000 gallons of bleed-off.
10-30 ppm quat (20% RTU)	Subsequent treatment. Apply 6.4 to 19.2 fluid ounces of product per 1,000 gallons of water.
28 ppm quat (22% RTU)	Subsequent treatment. Apply 3.66 ounces (by weight) of a.i. or 16 fluid ounces of product per 1,000 gallons of water. Treat once or twice a week, as needed.
10 ppm quat (30% RTU)	Subsequent treatment. Apply 1.33 ounces (by weight) of a.i. or 4.22 fluid ounces of product per 1,000 gallons of bleed-off.
10-30 ppm quat (30% RTU)	Subsequent treatment. Apply 1.33 to 4 ounces (by weight) of a.i. or 4.27 to 12.8 fluid ounces of product per 1,000 gallons of water.
8-12 ppm quat (50% RTU)	Subsequent treatment. Apply 0.98 to 1.47 ounces (by weight) of a.i. or 2 to 3 fluid ounces of product per 1,000 gallons of water. Repeat once a week or as needed.

	Site, Efficacy, Dosage and Formulation	Use Directions
/ 3MA	Decorative and Reflective Pool Water	General Instructions for Use: Refer to Swimming Pool Water for specific site descriptions and general use instructions.
PKAAAAA	Algae	
	2 ppm quat (10% RTU)	Initial treatment. Apply 2.56 fluid ounces of product per 1,000 gallons of water to a clean pool when it is first filled.
	2 ppm quat (10% RTU)	Maintenance treatment. Apply 2.56 fluid ounces of product per 1,000 gallons of water and repeat at 4 to 5 day intervals in warm, sunny, or humid weather and at 5 to 7 day intervals in cool or cloudy weather.
	8 ppm quat (10% RTU)	Shock treatment. Apply 102.4 fluid ounces of product per 10,000 gallons of water when there is visible algae growth in the pool. Remove dead algae and fill with fresh water the next day. Proceed with initial and maintenance applications.
	0.5 ppm quat (10% RTU)	Booster treatment. Apply 6.4 fluid ounces of product per 10,000 gallons of water in addition to the regular maintenance application of 2 ppm quat. Treat after a prolonged rainfall.
/65017MA	Humidifier Water	General Instructions for Use: The products registered for this site are intended to control slime-forming bacteria in humidifier water. Shake well before using, and add to the water reservoir in the humidifier. When treatment is begun, an initial high dose is added. The subsequent treatment concentration is maintained by adding more product when water is added.
A28 DBABAAA	Microbicide/microbistat Slime-forming bacteria	
	44 ppm quat (0.378% RTU)	Initial treatment. Apply 1.5 fluid ounces of product per gallon of water in the humidifier tank.
	32 ppm quat (2.5% RTU)	Initial treatment. Apply 0.165 fluid ounces of product per gallon of water in the humidifier tank.
	15 ppm quat (0.378% RTU)	Subsequent treatment. Apply 0.5 fluid ounces of product per gallon of water added.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Humidifier Water (continued)	
	13 ppm quat (2.5% RTU)	Subsequent treatment. Apply 0.066 fluid ounces of product per gallon of water added.
/65029MA	Industrial Processing Water	General Instructions for Use: The product registered for this site is intended to control algae in industrial non-potable water supplies. An initial high dosage is used when treatment is begun and repeated until control is achieved. This is followed by the lower subsequent dose to maintain control.
PKAAAAA	Algae	
	2 ppm quat (10% SC/L)	Initial treatment. Apply 2.56 fluid ounces of product per 1,000 gallons of water. Use the same dosage rate for make-up water due to leaks or discharges.
	0.5 ppm quat (10% SC/L)	Subsequent treatment. Apply 0.64 fluid ounces of product per 1,000 gallons of water. Repeat at 5 to 7 day intervals.
/65[illegible]MA	Laboratory Equipment Water Baths	General Instructions for Use: The product registered for this site is intended to control slime-forming bacteria (i.e., in water baths, circular baths, automatic blood gas analyzers, incubators, environmental chambers, reach-ins, and similar equipment).
A28 DBABAAA	Microbicide/microbistat Slime-forming bacteria	
	500-749 ppm quat (50% SC/L)	Add product to water baths at recommended dilution.

	Site, Efficacy, Dosage and Formulation	Use Directions
/[illegible]9MA	Laboratory Equipment Water Baths (Immersion Ultrasonic Tanks)	General Instructions for Use: The product registered for this site is intended to inhibit the growth of algae and slime-forming bacteria in laboratory and production tanks.
A28 DBABAAA PKAAAAA	Microbicide/microbistat Slime-forming bacteria Algae	
	40 ppm quat (4% RTU)	Initial and subsequent treatment. Apply 128 fluid ounces of product per 1,000 gallons of water. Maintain a concentration 10 to 15 ppm quat for maximum efficiency. Frequency of treatment depends upon the extent of contamination and temperature of the immersion bath.
/65025MA	Secondary Oil Recovery Systems	General Instructions for Use: The products registered for this site are intended for use in secondary oil recovery water systems such as oil field water flood or salt water disposal systems for the control of sulfate-reducing bacteria (*Desulfovibrio desulfuricans*), and aerobic slime-forming bacteria (*Pseudomonas* sp. and *Bacillus* sp.) which impair the efficiency of the system. Method of application may be slug, intermittent, or continuous. Slug Feed Treatment. Treatment that involves addition of a single specified dose. Treatment may be repeated at intervals, usually once a day or less frequently. Intermittent Feed Treatment. Treatment that is on a semi-continuous basis. Provides a continuous dosage over a brief period and is repeated at stated intervals. Continuous Feed treatment. Treatment that is on an uninterrupted basis to provide a sustained concentration. Usually an initial slug dose is used to establish control prior to continuous treatment. When algal or microbial growth is noticed, an initial high concentration dosage is used and repeated to obtain control. When control is evident, a subsequent dosage of lower concentration is used to maintain control.

Site, Efficacy, Dosage and Formulation	Use Directions

Secondary Oil Recovery Systems (continued)

Badly fouled systems must be cleaned by any suitable means before treatment is begun.

Products may be fed by drip-feed device, measuring container, or suitable chemical pump such as proportioning, variable speed positive displacement, or reciprocating types. Manual additions may also be used. Products should be fed at a location in the system where they will be uniformly mixed and evenly distributed.

Hyamine treatment recommendations may vary depending upon the design of the specific system and the specific problems. Bacteriological and chemical tests should be performed to determine the nature of the problem, establish the number and type of microorganisms present, and estimate the amount of the proper dosage needed for treatment.

DBABAAA Slime-forming bacteria
DBAEAAA Sulfate-reducing bacteria

Continuous Feed Treatment.

27-39 ppm quat (16% RTU)	Apply 3.55 to 5.22 ounces (by weight) of a.i. or 21.33 to 31.39 fluid ounces of product per 1,000 gallons of water.
17-34 ppm quat (50% RTU)	Apply 2.24 to 4.49 ounces (by weight) of a.i. or 4.57 to 9.14 fluid ounces of product per 1,000 gallons of water.

DBABAAA Slime-forming bacteria
DBAEAAA Sulfate-reducing bacteria

Intermittent Feed Treatment.

24-29 ppm quat (16% RTU)	Apply 3.17 to 3.8 ounces (by weight) of a.i. or 19 to 22.86 fluid ounces of product per 1,000 gallons of water. Treat for 4 to 8 hours per day, 1 to 4 times a week, as needed.
6-23 ppm quat (50% RTU)	Apply 0.75 to 3 ounces (by weight) of a.i. or 1.52 to 6.1 fluid ounces of product per 1,000 gallons of water. Treat for 4 to 8 hours per day, 1 to 4 times a week, as needed.

	Site, Efficacy, Dosage and Formulation	Use Directions
MB-2	Swimming Pool Related Surfaces, Shower Rooms and Locker Rooms	
		General Instructions for Use: The products registered for this section are intended for use as sanitizers, disinfectants, algaecides, and fungicides effective against *Trichophyton mentagrophytes* (athlete's foot fungus) on locker room, shower room, and swimming pool related surfaces. Swimming pool related surfaces include bathhouse surfaces, diving boards, ladders, poolside surfaces, runways, walkways, and other areas around swimming pools commonly contacted by bare feet. Precleaning of surfaces to remove soil and filth deposits is usually recommended. Observe required contact time. Apply solutions to surfaces by mop, swab, spray, or brush.
PKAAAAA	Algae	
	195 ppm quat (10% SC/L)	Surface treatment of algae on pool walls. Mix 1.25 fluid ounces of product per 5 gallons of water and mop on pool walls and floor. Allow 5 minutes contact time, then flush and refill the pool.
	80 ppm quat (10.24% SC/L) or 390 ppm quat (50% SC/L)	Surface treatment of pool side. Mix 0.5 fluid ounces of product per 5 gallons of water and wash down pool side surface that has been previously cleaned with detergent and water.
	50,000 ppm quat (50% SC/L)	Spot treatment of pool walls for control of persistent algae. Treat algae spots with a sponge soaked in undiluted product.
A23	Sanitizer	
	195-234 ppm quat (1.52%, 5.6%, 10% SC/L)	Sanitization of precleaned surfaces.
	195 ppm quat (10% SC/L)	Sanitization and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Swimming Pool Related Surfaces, Shower Rooms and Locker Rooms (continued)	
A22 A24 A29	Disinfectant Deodorizer Fungicide	
	231-291 ppm quat (1.5%, 4.8%, 5% SC/L)	Disinfection of precleaned non-porous surfaces. Allow 10 minutes contact time.
	338-434 ppm quat (3.5%, 5%, 5.6%, 10%, 50% SC/L) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned non-porous surfaces.
	725-1,540 ppm quat (1.5%, 2.52%, 2.75%, 10%, 12.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	366-463 ppm quat (1.5%, 4%, 10% SC/L)	Disinfection and cleaning of non-porous surfaces.
	775 ppm quat (10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/65011MA /65023MA	**Swimming Pool Water**	General Instructions for Use: The products registered for this site are intended to be used as algaecides. Treatment procedures for swimming pool water include initial treatment for newly filled pools, maintenance treatment, shock treatment, and winterizing treatment. Depending upon label directions, products may be used undiluted or dissolved in water and poured along edge of the pool. Initial Treatment. For the initial treatment of newly filled pools with no visible algae or for pool start-up, 1 or more high doses are added until a residual of at least 2 ppm quat is established. Maintenance Treatment. If treated pool water is recycled, the maintenance dose is added every 5 to 7 days to maintain a residual of 2 to 3 ppm quat. If the pool water is not recycled or filtered, it has to be tested periodically to determine the active ingredient content. When necessary, a maintenance dose is added to maintain a residual of 2 to 5 ppm quat. The frequency of treatment depends

Site, Efficacy, Dosage and Formulation	Use Directions

Swimming Pool Water (continued)

upon weather conditions, bather load, and airborne contaminants.

Shock Treatment. Shock treatment or booster applications should be made when there are visible algae, after a heavy rain or storm, or when there is a heavy bather load. When treating for visible algae, vacuum pool after 24 hours to remove algal debris. Shock treatment should be repeated until control is evident. Re-entry into the pool should be restricted until after the residual has fallen to 2 ppm quat.

Winterizing Treatment. Product is added to pool water to control the growth of algae during the winter months. Add product prior to covering pool for the winter.

A28	Microbicide/microbistat	
PKAAAAA	Algae	
PIPABBA	Ankinstrodesmus falcatus	
PJCADBA	Calothrix parietina	
P[illegible]BA	Chlorella pyrenoidosa	(a)
[illegible]BA	Lyngbya versicolor	(a)
[illegible]AA	Nostoc	
PJBACAA	Oscillatoria	(a)
PJBADAA	Phormidium	
PJBADBA	Phormidium inundatum	(a)
PJBADBB	Phormidium retzii	(a)

(a) A maintenance dose of 2 ppm quat a.i. is needed for effective control.

Initial Treatment.

1 ppm quat (5% SC/L) or 2-2.1 ppm quat (10%, 10.25%, 10.41% SC/L) (10% RTU)	Apply 25.6 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (6.25% SC/L)	Apply 41 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (7% SC/L)	Apply 36.6 fluid ounces of product per 10,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Swimming Pool Water (continued)	
4 ppm quat (10% SC/L) (10% RTU)	Apply 51.2 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (12.5% SC/L)	Apply 20.5 fluid ounces of product per 10,000 gallons of water.
2-3 ppm quat (40% SC/L) (40% RTU)	Apply 6.4 to 8 fluid ounces of product per 10,000 gallons of water.
4 ppm quat (40% SC/L)	Apply 12.8 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (5% RTU)	Apply 51.2 fluid ounces of product per 10,000 gallons of water.
3 ppm quat (10% RTU)	Apply 38.8 to 40 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (10% RTU)	Apply 64 fluid ounces of product per 10,000 gallons of water.
8 ppm quat (10% RTU)	Apply 100 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (16.5% RTU)	Apply 15.24 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (50% RTU)	Apply 5 to 5.55 fluid ounces of product per 10,000 gallons of water.
3 ppm quat (50% RTU)	Apply 6.4 fluid ounces of product per 10,000 gallons of water.
	Maintenance Treatment.
1 ppm quat (5% SC/L)	Apply 25.6 fluid ounces product per 10,000 gallons of water. Repeat every 3 days or as needed.
2 ppm quat (6.25% SC/L)	Apply 41 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (7% SC/L)	Apply 36.6 fluid ounces product per 10,000 gallons of water.
0.5 ppm quat (10% SC/L) (10% RTU)	Apply 6.4 fluid ounces of product per 10,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Swimming Pool Water (continued)	
2 ppm quat (10%, 10.25%, 10.41% SC/L) (10% RTU)	Apply 25.6 fluid ounces of product per 10,000 gallons of water.
0.2 ppm quat (10.24% SC/L)	Apply 2.5 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (12.5% SC/L)	Apply 20.5 fluid ounces of product per 10,000 gallons of water.
2-3 ppm quat (40% SC/L) (40% RTU)	Apply 6.4 to 8 fluid ounces of product per 10,000 gallons of water.
0.6 ppm quat (50% SC/L)	Apply 1.5 fluid ounces of product per 10,000 gallons of water.
0.5 ppm quat (5% RTU)	Apply 12.8 fluid ounces of product per 10,000 gallons of water, every 3 to 5 days.
2 ppm quat (5% RTU)	Apply 51.2 fluid ounces product per 10,000 gallons of water.
0.6 ppm quat (10% RTU)	Apply 8 fluid ounces of product per 10,000 gallons of water.
0.8 ppm quat (10% RTU)	Apply 9.7 fluid ounces of product per 10,000 gallons of water.
3 ppm quat (10% RTU)	Apply 40 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (16.5% RTU)	Apply 15.24 fluid ounces per 10,000 gallons of water every 5 to 7 days or as needed. If make-up water is added at a weekly rate of more than 10 percent of pool capacity, then apply 18.82 fluid ounces of product per 10,000 gallons of water.
0.5 ppm quat (40% RTU)	Apply 1.6 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (50% RTU)	Apply 5 to 5.55 fluid ounces of product per 10,000 gallons of water.
3 ppm quat (50% RTU)	Apply 6.4 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (80% RTU)	Apply 3.33 fluid ounces of product per 10,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Swimming Pool Water (continued)	
	Shock Treatment.
5 ppm quat (5% SC/L) (5% RTU)	Apply 128 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (6.25% SC/L)	Apply 102.4 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (7% SC/L)	Apply 91.4 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (10%, 10.41% SC/L) (10% RTU)	Apply 64 fluid ounces of product per 10,000 gallons of water.
8 ppm quat (10% SC/L) (10% RTU)	Apply 100 to 102.4 fluid ounces of product per 10,000 gallons of water.
10 ppm quat (10%, 10.25% SC/L) (10% RTU)	Apply 128 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (10.24% SC/L)	Apply 25 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (12.5% SC/L)	Apply 51.2 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (40% SC/L) (40% RTU) or 6 ppm quat (50% RTU)	Apply 16 fluid ounces of product per 10,000 gallons of water.
8 ppm quat (40% SC/L)	Apply 25.6 fluid ounces of product per 10,000 gallons of water.
2 ppm quat (50% SC/L)	Apply 5 fluid ounces of product per 10,000 gallons of water.
8 ppm quat (5% RTU)	Apply 204.8 fluid ounces of product per 10,000 gallons of water.
3 ppm quat (10% RTU)	Apply 38.8 fluid ounces of product per 10,000 gallons of water.

Site, Efficacy, Dosage and Formulation	Use Directions
Swimming Pool Water (continued)	
4-10 ppm quat (10% RTU)	Apply 51.2 to 128 fluid ounces of product per 10,000 gallons of water.
5 ppm quat (50% RTU)	Apply 12.5 to 13.9 fluid ounces of product per 10,000 gallons of water.
5-10 ppm quat (80% RTU)	Apply 8.33 to 16.67 fluid ounces of product per 10,000 gallons of water.
	Booster Treatment.
1 ppm quat (10% SC/L)	Apply 16 fluid ounces of product per 10,000 gallons of water. Use in addition to the regular maintenance treatment of 0.5 ppm quat during hot weather and after heavy rains.
— (10% SC/L)	For public pools. Apply 32 fluid ounces of product for each 100 bathers, in addition to the regular maintenance application 0.5 ppm quat.
0.5 ppm quat (10% RTU)	Apply 6.4 fluid ounces of product per 10,000 gallons of water in addition to the regular maintenance application of 2 ppm quat. Treat after a prolonged rainfall or when bather load is excessively heavy.
0.5 ppm quat (40% RTU)	Apply 1.6 fluid ounces of product per 10,000 gallons of water after heavy rains in addition to the regular maintenance application of 0.48 ppm quat.
	Winterizing Treatment.
10 ppm quat (20% RTU)	Apply 64 fluid ounces of product in 10,000 gallons of water. Make winter application to a clean pool and run filter for 3 to 6 hours after treatment. Start-up with initial application in the spring.

	Site, Efficacy, Dosage and Formulation	Use Directions
/65030MA	Waterbed Water	
		General Instructions for Use: The products registered for this site are intended to control the growth of odor causing and slime-forming bacteria.
A28	Microbicide/microbistat	
DBABAAA	Slime-forming bacteria	
	17-35 ppm quat (10% RTU)	Add 4 fluid ounces of product into waterbed mattresses with the capacity of 90 to 180 gallons. For twin beds of up to 90 gallons capacity, use 2 fluid ounces of product. Repeat at 4 to 6 month intervals.
	294-583 ppm quat (14% RTU)	Add 32 fluid ounces of product into waterbed mattresses with a capacity of up to 119 gallons, 64 fluid ounces of product for a capacity of 120 to 170 gallons, and 96 fluid ounces for a capacity of 180 to 247 gallons; and fill the mattress with water. Additional applications are needed if waterbed is opened to add water later on.
	INDOOR	
	(Processed or Manufactured products, and food or feed container or dispensers)	
/440060A /970070A	Textiles, Fabrics and Fibers	
FYABQBB	Mold/mildew	
INATAHA	Black carpet beetle	
INATADA	Furniture carpet beetle	
ITBSAFA	Webbing clothes moths	
	6,000 ppm quat (12% SC/L) (0.6% RTU)	Fabric treatment. Apply to any natural fiber and fabric made with natural fiber, such as carpets, rugs, blankets, clothing, draperies or furniture. Apply by electrical sprayer with a glass container capable of producing a 1 foot diameter spray pattern. Apply thoroughly to moisten all material to be treated. For moth and carpet beetles repeat application after 8 to 10 washings or dry-cleanings. For mold/mildew repeat as needed. Blankets and comforters treatment. Apply 1 quart per average sized blanket or comforter. Hang on a line and spray both sides. Allow sufficient time to dry before storing.

Site, Efficacy, Dosage and Formulation	Use Directions

Textiles, Fabrics and Fibers (continued)

Clothing treatment. Apply 1 gallon per 10 to 14 woolen suits or coats. Spray each article separately. Garments may be hand held, hung on a line, or spread on a table while spraying thoroughly with a fine mist. Begin by turning collar up, spray inside first, then thoroughly treat both seams and folds. Place on a hanger and spray top side. Do not pack too closely until dry. For washable woolens and drycleaned clothes, do not use soap. If washed with soap, retreat.

Carpet and rug treatment. Apply 1.25 gallons per 125 square feet of heavy carpets or rugs, or per 150 square feet of light carpets or rugs. Treat top only unless the nap or pile extends through the warp or base. Apply evenly and completely moisten. Spray more heavily 12 to 18 inches out around all walls. For Chinese and Oriental rugs treat both sides.

Upholstered furniture treatment. For divan or overstuffed chairs remove cushions then pull forward. Apply 0.625 to 0.75 gallons to the average size divan, and 0.125 to 0.25 gallon to overstuffed chairs depending on size. Treat under arms and bottom. Place back up and spray well into all corners. Spray back, bottom, and sides. After spraying cushions, allow to dry standing on edge before replacing. Pad all legs of furniture when placing on treated carpet.

(Pets and Domestic Animals)
(Animals and Their Man Made Premises)

/58006GA Hatchery Equipment

General Instructions for Use: The products registered in this site are for use on hatchers, incubators, brooders, setters, trays, buggies, and other hatchery surfaces.

Products are diluted with water. Application is by spray, wash, sponge, mop, brush, cloth, or automated system.

Non-food use limitation: No food tolerance has been established for product. Contamination of food or food animals by product residues is to be strictly avoided. Follow non-food use procedures.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Hatchery Equipment (continued)	
		1) Remove all poultry and feeds from premises, trucks, coops, and crates. 2) Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. 3) Empty all troughs, racks, and other feeding and watering appliances. 4) Thoroughly clean all surfaces with soap or detergent and rinse with water. 5) Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. 6) Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. 7) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.
A23	Sanitizer	
	195 ppm quat (5%, 10%, 12.5% SC/L)	Sanitization of precleaned surfaces.
	187 ppm quat (5% G) or 195 ppm quat (5%, 10% SC/L)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	388-486 ppm quat (5%, 10%, 12.5%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	775-1,920 ppm quat (10%, 12.5%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	373 ppm quat (5% G) or 388 ppm quat (5% SC/L)	Disinfection and cleaning of non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Hatchery Equipment (continued)	
	741 ppm quat (5% G) or 775 ppm quat (10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/580040A	**Hatching Egg Treatment**	General Instructions for Use: The products registered in this site are for sanitizing hatching eggs. Treat eggs prior to incubation, soon after gathering. Product directions may require prewashing of eggs. Grossly soiled eggs should not be used for hatching. Dilute product and apply as directed. The temperature of the solution should be warmer than the eggs to prevent infusion of the product solution into the eggs. A temperature of 110 to 120 F (43.3 to 48.9 C) is usually recommended. A potable water rinse is specified for some products. For treatment of eggs for human consumption, see Commercial Egg Treatment.
	Sanitizer	
	195-389 ppm quat (5%, 10% SC/L)	Sanitization of hatching eggs.
/54000JA-1	**Kennels and Pet Animal Quarters**	General Instructions for Use: The products registered in this site are for use in cat, dog, bird, rodent, fish, amphibian, and reptile living and sleeping quarters, equipment, and litter trays. All surfaces must first be cleaned of gross filth and used litter by scrubbing with soap or detergent, followed by a clear water rinse. The diluted or full strength product is then applied to surfaces by mop, spray, scrub, or brush. Allow treatment to dry. Feeding and watering equipment must be thoroughly rinsed with potable water prior to reuse. Kennels and quarters should be thoroughly ventilated before animals are returned to them. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Kennels and Pet Animal Quarters (continued)	
A23	Sanitizer	
	195-223 ppm quat (3%, 10% SC/L)	Sanitization of precleaned surfaces.
	195 ppm quat (5%, 10% SC/L)	Sanitization and cleaning of surfaces.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2 virus	
A29	Fungicide	
	389-698 ppm quat (1.5%, 1.6%, 2.21%, 3%, 5%, 9%, 10%, 25%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	738-1,620 ppm quat (2.75%, 3%, 4.8%, 5%, 10%, 20%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	388-687 ppm quat (2.7%, 3%, 3.3%, 5%, 9.4%, 10% SC/L) or 630 ppm quat (0.063% RTU)	Disinfection and cleaning of non-porous surfaces.
	769-1,520 ppm quat (1.5%, 1.52%, 3%, 3.3%, 3.5%, 4%, 5%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	615-1,520 ppm quat (4%, 5% SC/L) or 630 ppm quat (0.063% RTU)	Mold/mildew control on surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/ JJA	Laboratory Animal Quarters	
		General Instructions for Use: The products registered in this site are for use in laboratory, hospital, and research animal rooms, cages, and other facilities. All surfaces must first be cleaned of gross filth and used litter by scrubbing with soap or detergent, followed by a clear water rinse. The diluted or full strength product is then applied to surfaces by mop, spray, scrub, or brush. Allow treatment to dry. Feeding and watering equipment must be thoroughly rinsed with potable water prior to reuse. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.
A23	Sanitizer	
	233-234 ppm quat (4.5%, 9% SC/L)	Sanitization and cleaning of surfaces.
A16	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Herpes simplex, Vaccinia, Newcastle Disease, and Adenovirus Type 3 viruses	
A29	Fungicide	
	486 ppm quat (10% SC/L)	Disinfection of precleaned surfaces.
	464-506 ppm quat (4.5%, 9%, 13% SC/L)	Disinfection and cleaning of non-porous surfaces.
	692-1,010 ppm quat (4.5%, 9%, 13% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	464-466 ppm quat (4.5%, 9% SC/L)	Mold/mildew control on surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/61002GA	Potato (seed) Handling Equipment	
/61002JD	Potato (seed) Storage Premises and Equipment	General Instructions for Use: The product registered in this site is for use in storage areas, bins, crates, and bags, as well as cutting knives, tables, and planters. The product controls the growth of Corynebacterium sepedonicum which causes bacterial ring rot disease of potatoes. Product is diluted and applied by wash, mop, dip or spray to surfaces.
A22	Disinfectant	
	775 ppm quat (10% SC/L)	Disinfection of precleaned surfaces.
/610030A	Shoe Baths (Farm)	General Instructions for Use: The products registered in this site are for use on shoes and boots to aid in reducing the spread of infectious organisms between farm animal buildings. Diluted solutions are placed in trays or pans just inside building entrances. Scrape shoes outside doorway and stand in shoe bath prior to entering building. See label directions for specific contact time required. Clean pans and add fresh solution frequently.
A23	Sanitizer	
	195 ppm quat (5% SC/L)	Sanitization of precleaned shoes.
A22	Disinfectant	
	388 ppm quat (5% SC/L)	Disinfection of precleaned shoes.
	775 ppm quat (10% SC/L)	Disinfection of precleaned heavily contaminated shoes.

	Site, Efficacy, Dosage and Formulation	Use Directions
/5[illegible]lJA	**Stables**	
		General Instructions for Use: The products registered in this site are for use in horse stables and buildings, public stables, unspecified stables, and unspecified animal barns. All surfaces must first be cleaned of gross filth and used litter by scrubbing with soap or detergent, followed by a clear water rinse. The diluted or full strength product is then applied to surfaces by mop, spray, scrub, or brush. Allow treatment to dry. Feeding and watering equipment must be thoroughly rinsed with potable water prior to reuse. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.
A22 A24	Disinfectant Deodorizer	
	389 ppm quat (10% SC/L)	Disinfection of precleaned non-porous surfaces.
	388 ppm quat (5% SC/L)	Disinfection and cleaning of non-porous surfaces.
	769-1,520 ppm quat (5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	769-1,520 ppm quat (5% SC/L)	Mold/mildew control on surfaces.

(Agricultural Premises and Equipment)

/580010A **Commercial Egg Treatment**

General Instructions for Use: The products registered in this site are for use in cleaning and sanitizing commercial eggs (i.e. eggs intended for human consumption). These products reduce bacteria on egg shell surfaces which cause spoilage of fresh and storage eggs.

Single step method: Product is used for cleaning and sanitizing of eggs in one-step.
Two step method: Procedure requires 2 steps: 1) the initial cleaning of eggs and gross reduction of bacteria, followed by 2) final sanitization with a sanitizing rinse. Products may be cleaners and sanitizers or sanitizers only. Cleaners and sanitizers are used in the first step or in both steps. Sanitizers are used only in the final sanitizing step.

Eggs are treated by spray, dip or immersion. Label directions may specify use of product in 1) spray, tank-type, brush, oscillating, propeller, air-action, automatic conveyor, or systemized continuous washers; 2) basket or immersion washers; or 3) manual washing operations. Follow manufacturers' instructions for use of products in specific washer units. For immersion washing, a 2 to 5 minute immersion of eggs is specified. For egg plants operating under United States Department of Agriculture supervision, immersion of eggs in water is no longer permitted.

For federally inspected egg plants, operating under the supervision of the United States Department of Agriculture, follow the regulations of the U.S.D.A. Egg Grading Branch for washing egg shells.

U.S.D.A. recommended shell egg washing procedures:
1) Wash eggs promptly after gathering.
2) Do not try to clean excessively dirty eggs.
3) Water with an iron content in excess of 2 parts per million should not be used.
4) Do not reuse wash water except when used in a continuous type washer.
5) Wash water temperature to be 90 F (32.2 C) or higher.
6) Maintain wash water at a temperature 20 to 40 F (11.1 to 22.2 C) warmer than the eggs.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial Egg Treatment (continued)	7) Spray rinse washed eggs with warm potable water containing an approved sanitizing compound. 8) Eggs should be reasonably dry before casing or breaking. Observe specific product directions concerning requirements for product dilution, water temperature, contact time, and potable water rinse. A thorough potable water rinse should be specified after final sanitizing treatment of eggs with residual sanitizer compound if eggs are to be immediately broken for use in the manufacture of egg products.
A23	Sanitizer	
	194-195 ppm quat (2.5%, 5%, 10.24% SC/L) or 75 ppm quat (5% SC/S)	Sanitization of precleaned eggs.
	195 ppm quat (5% SC/L) or 125-373 ppm quat (5% G) (5% SC/S)	Sanitization and cleaning of eggs.
/60005JE	**Dairy Equipment (Unspecified)**	General Instructions for Use: The products registered in this site are for use on dairy equipment and dairy milk-contact surfaces. Note: Products were places in this entry when the product label used the term dairy without specifying dairy farm (milk production) and/or dairy plant (milk processing). Clean and rinse all equipment prior to sanitization. Deposits of milk solids will interfere with sanitization, thus all contaminating milk residue must be flushed from equipment and equipment surfaces prior to sanitization. Activity of chemical sanitizers may be adversely affected by ingredients in washing compounds and organic matter carried over from the wash solution. A rinse between the cleaning and the sanitizing treatment is important in maintaining the strength of the sanitizing solution.

Site, Efficacy, Dosage and Formulation	Use Directions

Dairy Equipment (Unspecified) (continued)

Sanitizers which are registered for use on food contact surfaces are required to be in compliance with the food additive regulations identified in Title 21 Code of Federal Regulations, Section 178.1010, Sanitizing solutions.

Sanitizer food contact surface treatment instructions:
1) Remove surface soils by scraping or flushing with water.
2) Wash with a suitable detergent or cleaner.
3) Rinse with potable water.
4) Dilute product according to label directions. The solutions may not exceed specified concentrations (200 ppm quat).
5) Apply by immersion, flooding, spraying, mopping, sponging, or wiping making sure to wet all surfaces thoroughly.
6) Allow for the specified contact time (at least 1 minute.
7) Allow the use solution to drain and air dry.
8) Do not rinse the surface with water after sanitizing as this will recontaminate the surface.

Follow label instructions for products registered for use on food contact surfaces which are disinfectants.

Observe local regulations regarding contact time of sanitizing solutions. A 2 minute contact time is stipulated by health departments that follow the United States Public Health Service Ordinance and Code. Adhere to manufacturer's instructions regarding the temperature of diluents and rinse. Drain equipment and food contact surfaces thoroughly, rinse with potable water when required.

Refer to appendix F of the Grade 'A' Pasteurized Milk Ordinance - 1965 Recommendations of the United States Public Health Service for existing milk sanitization standards and local milk sanitization regulations.

A23 Sanitizer

195-249 ppm quat (3.42%, 4.8%, 5%, 5.6%, 10%, 10.25%, 12.5%, 20%, 80% SC/L)	Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Dairy Equipment (Unspecified) (continued)	
A22 A24	Disinfectant Deodorizer	
	388-389 ppm quat (5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
/60005JE	**Dairy Farm Milking Equipment**	General Instructions for Use: The products registered in this site are for use on dairy farm milking equipment and utensils. Products are used to sanitize milking machines, milk cans, tanks, lines, pails, inflations, teat cups, and similar equipment. Refer to Dairy Equipment for general instructions for use.
A23	Sanitizer	
	155-208 ppm quat (2%, 2.5%, 5%, 7.5%, 10%, 10.24%, 10.41%, 12.5%, 20%, 56% SC/L) or 200 ppm quat (5% SC/S)	Sanitization of precleaned surfaces.
	195 ppm quat (5% SC/L)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	389 ppm quat (10%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-775 ppm quat (5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Dairy Equipment (Unspecified) (continued)	
A22 A24	Disinfectant Deodorizer	
	388-389 ppm quat (5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
/60005JE	Dairy Farm Milking Equipment	General Instructions for Use: The products registered in this site are for use on dairy farm milking equipment and utensils. Products are used to sanitize milking machines, milk cans, tanks, lines, pails, inflations, teat cups, and similar equipment. Refer to Dairy Equipment for general instructions for use.
A23	Sanitizer	
	155-208 ppm quat (2%, 2.5%, 5%, 7.5%, 10%, 10.24%, 10.41%, 12.5%, 20%, 56% SC/L) or 200 ppm quat (5% SC/S)	Sanitization of precleaned surfaces.
	195 ppm quat (5% SC/L)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	389 ppm quat (10%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-775 ppm quat (5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions

/60000JF
/71005JF **Dairy Farm Premises**

General Instructions for Use: The products registered in this site are for use on floors, walls, and other non-food contact surfaces on Dairy Farm Premises.

Product is diluted with water and applied by rag, swab, sponge, brush, sprayer, or by immersion. Before sanitizer or disinfectant treatment, preclean and rinse all surfaces thoroughly. Remove gross filth from surfaces prior to treatment with one-step cleaner-disinfectants.

Non-food use limitation: No food tolerance has been established for product. Contamination of food or food animals by product residues is to be strictly avoided. Follow non-food use procedures:

1) Do not use in milking stalls, milking parlors, or milk houses (for phenolics, cresylic acid, and pine oils).
2) Remove all animals and feed from premises, vehicles, and enclosures.
3) Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
4) Empty all troughs, racks, and other feeding and watering appliances.
5) Thoroughly clean all surfaces with soap or detergent and rinse with water.
6) Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
7) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
8) Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ treated equipment until product has been absorbed, set, or dried.
9) Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waters with soap or detergent, and rinse with potable water before reuse.

For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Dairy Farm Premises (continued)	
A23	Sanitizer	
	195-246 ppm quat (1.5%, 10%, 10.25%, 10.41% SC/L)	Sanitization of precleaned surfaces.
	195-231 ppm quat (1.5%, 5% SC/L) or 187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	388-558 ppm quat (4.8%, 5%, 10%, 10.25% SC/L)	Disinfection of precleaned non-porous surfaces.
	727-775 ppm quat (4.8%, 5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	558 ppm quat (4.8% SC/L)	Disinfection and cleaning of non-porous surfaces.
	738 ppm quat (4.8% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	775-1,540 ppm quat (4.8%, 10%, 10.25% SC/L)	Mold/mildew control on surfaces.

Site, Efficacy, Dosage and Formulation — **Use Directions**

/61001JA **Farm Premises**

General Instructions for Use: The products registered in this site are for use on Farm Premises and Equipment. This site is used when a specific animal site is not listed.

Products are diluted with water and applied by rags, swab, sponge, brush, sprayer, or by immersion. Before sanitizer or disinfectant treatment, pre-clean and rinse all surfaces thoroughly. Remove gross filth from surfaces prior to treatment with one-step cleaner-disinfectants.

Non-food use limitation: No food tolerance has been established for product. Contamination of food or food animals by product residues is to be strictly avoided. Follow non-food procedures.

1) Do not use in milking stalls, milking parlors, or milk houses (for phenolics, cresylic acid, and pine oils).
2) Remove all animals and feed from premises, vehicles, and enclosures.
3) Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
4) Empty all troughs, racks, and other feeding and watering appliances.
5) Thoroughly clean all surfaces with soap or detergent and rinse with water.
6) Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
7) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
8) Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ treated equipment until product has been absorbed, set, or dried.
9) Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waters with soap or detergent, and rinse with potable water before reuse.

A23 Sanitizer

246 ppm quat (1.5% SC/L) — Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Farm Premises (continued)	
	195-231 ppm quat (1.5%, 5% SC/L)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	388 ppm quat (5% SC/L)	Disinfection and cleaning of non-porous surfaces.
	1,850 ppm quat (5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/52000GA /52000JA	**Livestock Premises and Equipment**	

General Instructions for Use: The products registered in this site are for use on livestock premises and equipment. Livestock includes cattle, hogs, sheep, horses, goats, and other food producing animals.

Products are diluted with water and applied by rags, swab, sponge, brush, sprayer, or by immersion. Before sanitizer or disinfectant treatment, pre-clean and rinse all surfaces thoroughly. Remove gross filth from surfaces prior to treatment with one-step cleaner-disinfectants.

Non-food use limitation: No food tolerance has been established for product. Contamination of food or food animals by product residues is to be strictly avoided. Follow non-food procedures.

1) Do not use in milking stalls, milking parlors, or milk houses (for phenolics, cresylic acid, and pine oils).
2) Remove all animals and feed from premises, vehicles, and enclosures.
3) Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
4) Empty all troughs, racks, and other feeding and watering appliances.
5) Thoroughly clean all surfaces with soap or detergent and rinse with water.
6) Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes.
7) Immerse all halters, ropes, and other types of equipment used in handling and restraining animals,

	Site, Efficacy, Dosage and Formulation	Use Directions
	Livestock Premises and Equipment (continued)	as well as forks, shovels, and scrapers used for removing litter and manure. 8) Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ treated equipment until product has been absorbed, set, or dried. 9) Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waters with soap or detergent, and rinse with potable water before reuse.
A23	Sanitizer	
	187 ppm quat (5% G)	Sanitization and cleaning of surfaces.
A22	Disinfectant	
	373 ppm quat (5% G) or 389 ppm quat (10%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	741 ppm quat (5% G) or 775 ppm quat (10%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
/55000GA /55000JA	Poultry House Premises and Equipment	General Instructions for Use: The products registered in this site are for use in poultry houses, including broiler, layer, and brooder houses, cages, coops, crates, feeding and watering equipment and other equipment found on these premises. Dilute product with water. Apply by cloth, swab, sponge, brush, spray, or immersion. Before sanitizer or disinfectant treatment, preclean and rinse all surfaces thoroughly. Remove gross filth from surfaces prior to treatment with one-step cleaner-disinfectants. Non-food use limitation: No food tolerance has been established for product. Contamination of food or food animals by product residues is to be strictly avoided. Follow non-food use directions:

	Site, Efficacy, Dosage and Formulation	Use Directions
	Poultry House Premises and Equipment (continued)	
		1) Remove all poultry and feeds from premises, trucks, coops, and crates. 2) Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. 3) Empty all troughs, racks, and other feeding and watering appliances. 4) Thoroughly clean all surfaces with soap or detergent and rinse with water. 5) Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. 6) Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. 7) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.
A23	Sanitizer	
	195 ppm quat (10%, 12.5% SC/L)	Sanitization of precleaned surfaces.
	187 ppm quat (5% G)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	388-486 ppm quat (5%, 10%, 10.24%, 12.5%, 20%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-1,920 ppm quat (5%, 10%, 12.5%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	373 ppm quat (5% G) or 538 ppm quat (4.8% SC/L)	Disinfection and cleaning of non-porous surfaces.
	741 ppm quat (5% G) or 738-1,090 ppm quat (4.8%, 5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Household)	
/630000A	Household Premises and Contents	General Instructions for Use: The products registered in this site are for use in household premises (i.e. walls, floors, fixtures) and contents (i.e. furnishings, equipment and other hard surfaces). Preclean surfaces prior to treatment when required. Dilute products as specified on labels. Apply by mop, wipe, scrub, or spray. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.
A23	Sanitizer	
	194-292 ppm quat (1.9%, 2.5% 5.6%, 6.5%, 10%, 10.25% SC/L)	Sanitization of precleaned surfaces.
	233-271 ppm quat (3%, 3.5% SC/L)	Sanitization and cleaning of surfaces.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2 virus	
A29	Fungicide	
	445 ppm quat (1.47% EC) or 350-623 ppm quat (1.5%, 1.52%, 2.21%, 2.5%, 2.75%, 3.3%, 4.8%, 5%, 5.2%, 5.6%, 7.5%, 9%, 10%, 10.25%, 25% SC/L) or 2,500-5,800 ppm quat (0.25% EC) (0.3%, 0.58% RTU) or	Disinfection of precleaned non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Household Premises and Contents (continued)	
	1 000 ppm quat (0.1% PrL)	
	725-1,540 ppm quat (3%, 4.8%, 5%, 5.2%, 7.5%, 10%, 10.25%, 25% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	370-538 ppm quat (2.5% SC/S) (2.7%, 3%, 3.5%, 4.8%, 5%, 5.2%, 9.4% SC/L) or 2,000-4,000 ppm quat (0.2%, 0.3%, 0.4% RTU) or 1,500-3,840 (0.15%, 0.384% PrL)	Disinfection and cleaning of non-porous surfaces.
	738-769 ppm quat (4.8%, 5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	399-958 ppm quat (1.5%, 2.5%, 2.7%, 4.8%, 5%, 7.5%, 10%, 10.25% SC/L) or 3,000-5,800 ppm quat (0.3%, 0.4%, 0.58% RTU) or 3,840 ppm quat (0.384% PrL)	Mold/mildew control on surfaces.
	3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat at 8 week intervals.

Site, Efficacy, Dosage and Formulation — Use Directions

/630090A **Sickroom Premises and Contents**

General Instructions for Use: The products registered in this site are for use in sickrooms found in places other than primary health care facilities. This includes household, commercial, institutional, and industrial establishments. The products may be used on premises (i.e. ceilings, fixtures, floors, walls, woodwork); contents (i.e. bedding, furniture, telephones); equipment (i.e. basins, bedpans, receptacles, vomitus pails, pans); and utensils (i.e. dishes, trays, eating utensils, glassware).

Thoroughly preclean and rinse surfaces prior to treatment. One-step cleaner-sanitizers and cleaner-disinfectants may be used without prior cleaning. Dilute product as directed. Application is by wet wipe, scrub, flood, flush, rinse, or spray methods. Observe required contact time. Rinse where required.

Sanitizers which are registered for use on food contact surfaces are required to be in compliance with the food additive regulations identified in Title 21 Code of Federal Regulations, Section 178.1010, Sanitizing solutions.

Sanitizer food contact surface treatment instructions:

1) Remove surface soils by scraping or flushing with water.
2) Wash with a suitable detergent or cleaner.
3) Rinse with potable water.
4) Dilute product according to label directions.
5) Apply by immersion, flooding, spraying, mopping, sponging, or wiping making sure to wet all surfaces thoroughly.
6) Allow for the specified contact time (at least 1 minute.
7) Allow the use solution to drain and air dry.
8) Do not rinse the surface with water after sanitizing as this will recontaminate the surface.

Follow label instructions for products registered for use on food contact surfaces which are disinfectants.

A23 Sanitizer

195-233 ppm quat (3%, 5% SC/L) — Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Sickroom Premises and Contents (continued)	
A22 A24	Disinfectant Deodorizer	
	385-395 ppm quat (2.5%, 5%, 10%, 15.2% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-1,000 ppm quat (2.21%, 3%, 3.3%, 5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	385-462 ppm quat (2.5%, 3% SC/L) or 2,000-3,000 ppm quat (0.2%, 0.3% RTU) or 3,840 ppm quat (0.384% PrL)	Disinfection and cleaning of non-porous surfaces.
	769 ppm quat (5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
	(Commercial and Industrial Uses)	
/77002GA	Athletic and Recreational Equipment	General Instructions for Use: The products registered in this site are for use on athletic and recreational equipment surfaces. Products may recommend precleaning of surface prior to treatment. Apply product by spray, cloth, mop, sponge, brush, or pump spray. Thoroughly wet surfaces and allow for required contact period.
A22	Disinfectant	
	775 ppm quat (10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	1,520 ppm quat (5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/770000A	Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical)	General Instructions for Use: The products registered in this site are for use on commercial, industrial, institutional, and public premises and equipment. This site includes the premises and equipment of the following areas: 1) Commercial - hotels, motels, theaters, office buildings, airports, bus stations, and train terminals. 2) Industrial - factories, mills, industrial plants and areas. 3) Institutional - schools, colleges, camps, corridors, offices, auditoriums, institutions, and asylums. 4) Public areas - public areas, public buildings, or public rooms. Premises is defined to include: ceilings, doors, doorknobs, fixtures, floors, light switches, stairs, walls, windows, and woodwork. Remove heavy surface soil or preclean surfaces prior to treatment as indicated by label instructions. One step cleaner-sanitizers and cleaner-disinfectants may be used without prior cleaning of lightly or moderately soiled surfaces. Dilute product according to label directions. Apply product by mop, scrub, sponge, spray, or automatic machine process. Wet surfaces thoroughly. Allow recommended contact time. Drain surface or rinse with potable water where required. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.
A23	Sanitizer	
	154-246 ppm quat (1%, 1.6%, 2%, 2.5%, 2.52%, 3%, 4.5%, 5%, 10%, 10.25% SC/L)	Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) (continued)	
	195-338 ppm quat (1%, 1.5%, 1.6%, 1.67%, 2%, 2.2%, 2.5%, 3%, 3.5%, 5%, 5.6%, 6%, 9%, 10%, 12.5% SC/L)	Sanitization and cleaning of surfaces.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Parainfluenza, Herpes simplex, Vaccinia, New Castle Disease and Adenovirus Type 3 viruses	
A29	Fungicide	
	445 ppm quat (1.47% EC) or 350-690 ppm quat (1%, 1.25%, 1.47%, 1.5%, 1.52%, 1.6%, 1.67%, 2%, 2.2%, 2.21%, 2.5%, 2.75%, 2.8%, 2.94%, 3%, 3.6%, 3.8%, 3.96%, 4%, 4.8%, 5%, 9%, 10%, 10.25%, 10.5%, 20%, 25%, 80% SC/L) or 2,500-5,800 ppm quat (0.25% EC) (0.3%, 0.58% RTU) or 1,000-4,000 ppm quat (0.1%, 0.4% PrL)	Disinfection of precleaned non-porous surfaces.
	725-1,540 ppm quat (1%, 1.25%, 1.5%, 1.67%, 2%, 2.2%, 2.5%, 2.52%, 3%, 3.6%, 4%, 4.25%, 4.8%, 5%, 5.05%, 6.25%, 10%, 10.25%, 12.5%, 25%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) (continued)	
	366-687 ppm quat (2.5% SC/S) (1.25%, 1.5%, 1.6%, 2%, 2.25%, 2.4%, 2.5%, 2.7%, 2.8%, 3%, 3.03%, 3.1%, 3.5%, 3.6%, 3.8%, 3.9%, 4%, 4.5%, 4.8%, 5%, 5.2%, 5.4%, 5.6%, 6%, 9%, 10%, 12.5%, 13%, 15.3% SC/L) or 630-15,000 ppm quat (0.063%, 1.5% RTU) or 1,500-3,840 ppm quat (0.15%, 0.156%, 0.384% PrL)	Disinfection and cleaning of non-porous surfaces.
	692-1,850 ppm quat (1.5%, 1.6%, 2.75%, 2.8%, 3%, 4.5%, 4.8%, 5%, 5.2%, 5.4%, 6%, 9%, 10%, 13% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	415-1,540 ppm quat (1.5%, 2%, 2.5%, 2.7%, 4%, 4.5%, 4.8%, 5%, 9%, 10% SC/L) or 630-5,800 ppm quat (0.063%, 0.3%, 0.58% RTU)	Mold/mildew control on surfaces.
	3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat at 8 week intervals.

	Site, Efficacy, Dosage and Formulation	Use Directions
30A	**Commercial Transportation Vehicles**	General Instructions for Use: The products registered in this site are for use on commercial transportation vehicle surfaces. This includes buses, railroad cars, steamships, automobiles, airplanes, boats, and other conveyances. Preclean surfaces of vehicle or conveyance. Dilute product as recommended on label. Apply solution by mop, swab, rag, cloth, or spray. Allow required contact time. Rinse treated surfaces or allow to air dry in accordance with label instructions. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.
A23	Sanitizer	
	275 ppm quat (1.4% SC/L)	Sanitization and cleaning of surfaces.
[illegible] [illegible] A29	Disinfectant Deodorizer Fungicide	
	389 ppm quat (10% SC/L) or 3,000 ppm quat (0.3% RTU) or 1,000 ppm quat (0.1% PrL)	Disinfection of precleaned non-porous surfaces.
	1,030 ppm quat (50% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	485 ppm quat (4.8% SC/L) or 2,000-3,000 ppm quat (0.2%, 0.3% RTU) or 3,840 ppm quat (0.384% PrL)	Disinfection and cleaning of non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial Transportation Vehicles (continued)	
	727-1,090 ppm quat (4.8% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	3,000 ppm quat (0.3% RTU) or 3,840 ppm quat (0.384% PrL)	Mold/mildew control on surfaces.
	(Barber Shops and Mortuaries)	
/750020A	Barber and Beauty Shop Equipment	
/750010A	Barber and Beauty Shop Instruments	
		General Instructions for Use: The products registered in this site are for use in barber and beauty shops. Equipment includes cabinets, chairs, instrument trays, hair dryer hoods, shampoo bowls, sinks, and tables. Instruments include brushes, combs, curlers, clippers, razors, scissors, shears and manicure tools. Equipment and instruments must be thoroughly cleaned prior to treatment if product is not a one-step cleaner-disinfectant. If product is a one-step cleaner-disinfectant, instruments and equipment should be wiped clean before disinfecting. Observe required contact time. Allow a minimum of 10 minutes contact time. Instruments should be immersed in solution of product unless otherwise stated. Apply to equipment by cloth, sponge, mop, or sprayer.
A23	Sanitizer	
	195 ppm quat (5% SC/L)	Sanitization of precleaned surfaces.
A22	Disinfectant	
A24	Deodorizer	
A29	Fungicide	
	385-576 ppm quat (1.9%, 2.5%, 5%, 5.6%, 10%, 10.24%, 20% SC/L)	Disinfection of precleaned non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Barber and Beauty Shop Equipment cluster (continued)	
	752-1,550 ppm quat (1.6%, 2%, 2.5%, 3%, 5%, 5.12%, 6.25%, 6.5%, 7.5%, 10%, 12.5%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	769-1,520 ppm quat (5% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/760030A	Morturary Instruments	General Instructions for Use: The product registered in this site is for use on mortuary instruments. Remove gross filth and heavy soil prior to treatment. Wipe instruments clean and immerse in diluted solution. Observe required contact time.
A18	Pseudomoncide	
A22	Disinfectant	
A25	Virucide - effective against Influenza Type A2, Herpes simplex, Vaccinia, Newcastle Disease and Adenovirus Type 3 viruses	
	Fungicide	
	1,540 ppm quat (10% SC/L)	Disinfection of precleaned non-porous surfaces.
	3,030 ppm quat (10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
/760010A	Mortuary Premises and Equipment	General Instructions for Use: The products registered in this site are for use on premises (i.e. walls and floors) and equipment (i.e. tables and cabinets) in mortuaries, morgues, hospital autopsy rooms, funeral homes, and embalming rooms. Prerinse or preclean surface as directed. Dilute product as specified. Apply solution to surface by mop, sponge, cloth, brush, immersion, rinse, spray, or circulation. Allow product solution to remain in contact with surface for specified contact time. If no contact time is given, allow a minimum of 10 minutes. Remove excess solution with dry mop or sponge. Rinse with potable water as directed. Air dry.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Mortuary Premises and Equipment (continued)	
A23	Sanitizer	
	233-350 ppm quat (4.5%, 9% SC/L)	Sanitization and cleaning of surfaces.
A18	Pseudomonacide	
A22	Disinfectant	
A25	Virucide - effective against Influenza Type A2, Herpes simplex, Vaccinia, New Castle Disease and Adenovirus Type 3 viruses	
A29	Fungicide	
	769-1,540 ppm quat (5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	3,030 ppm quat (10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	464-466 ppm quat (4.5%, 9% SC/L)	Disinfection and cleaning of non-porous surfaces.
	692-698 ppm quat (4.5%, 9% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

(Food and Feed Processing Plants)

General Information:

Equipment and food contact surfaces general instructions for use: Thoroughly clean and rinse equipment. Sanitize immediately before equipment is to be used, or as specified by local regulations. One-step sanitizer-cleaners and disinfectant-cleaners may be used without prior cleaning. Dilute product as directed. Application may be by wet wipe, scrub, flood, flush, rinse, circulation, immersion, or spray methods.

Sanitizers which are registered for use on food contact surfaces are required to be in compliance with the food additive regulations identified in Title 21 Code of Federal Regulations, Section 178.1010, Sanitizing solutions.

Sanitizer food contact surface treatment instructions:

1) Remove surface soils by scraping or flushing with water.
2) Wash with a suitable detergent or cleaner.
3) Rinse with potable water.
4) Dilute product according to label directions. The solutions should not exceed specified concentrations (200 ppm quat).
5) Apply by immersion, flooding, spraying, mopping, sponging, or wiping making sure to wet all surfaces thoroughly.
6) Allow for the specified contact time (at least 1 minute.
7) Allow the use solution to drain and air dry.
8) Do not rinse the surface with water after sanitizing as this will recontaminate the surface.

Site, Efficacy, Dosage and Formulation	Use Directions

General Information (continued)

Follow label instructions for products registered for use on food contact surfaces which are disinfectants.

Observe local regulations regarding contact period of the sanitizing solution. A 2 minute contact time is stipulated by health departments that follow the United States Public Health Service Ordinance and Code. Adhere to manufacturer's instructions regarding the temperature of diluent and rinse. Drain equipment and food contact surfaces thoroughly. Rinse with potable water when required.

Premises (i.e. floors, walls, and other non-food contact surfaces) general instructions for use: Product directions may require a precleaning step before treatment. Remove all particulate contamination. Application may be by wipe, scrub, rinse, mop, or spray. Allow recommended contact time. Remove or carefully protect food products and food packaging materials before using quaternary ammonium products. Avoid contamination of food contact surfaces and food when applying pesticide solutions. Drain surfaces thoroughly. Rinse with potable water where required.

For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

[illegible] **Bakery Processing Equipment**

General Instructions for Use: The products registered in this site are for use on bakery equipment.

A23	Sanitizer	
	194-195 ppm quat (2.5%, 10% SC/L)	Sanitization of precleaned surfaces.
A22	Disinfectant	
A24	Deodorizer	
	385-389 ppm quat (2.5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	775 ppm quat (10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	462-558 ppm quat (3%, 4.8% SC/L)	Disinfection and cleaning of non-porous surfaces.
	909 ppm quat (3% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

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	Site, Efficacy, Dosage and Formulation	Use Directions
/71001JF	**Bakery Processing Plant Premises**	
		General Instructions for Use: The products registered in this site are for use on bakery processing plant premises (i.e. floors, walls and other non-food contact surfaces).
A23	Sanitizer	
	195 ppm quat (10% SC/L)	Sanitization of precleaned surfaces.
A22 A24	Disinfection Deodorizer	
	389-558 ppm quat (4.8%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	775 ppm quat (10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	462-558 ppm quat (3%, 4.8% SC/L)	Disinfection and cleaning of non-porous surfaces.
	738 ppm quat (4.8% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQEB	Mold/mildew	
	775 ppm quat (10% SC/L)	Mold/mildew control on surfaces.
/71019JE	**Beverage Processing Equipment**	
		General Instructions for Use: The products registered in this site are for use on beverage processing equipment. Beverage processing equipment includes utensils, tanks, vats, hoses, pipelines, fillers, capping, crowning, and bottling equipment and other beverage contact equipment used in beverage, soft drink, carbonated beverage, and bottling plant processing. Included in this section are products intended for final sanitizing of beverage bottles, cans, and other containers.
A23	Sanitizer	
	195-200 ppm quat (10% SC/L)	Sanitization of precleaned surfaces.
	195 ppm quat (10% SC/L)	Sanitization and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Beverage Processing Equipment (continued)	
A22	Disinfectant	
A24	Deodorizer	
	388 ppm quat (5% SC/L)	Disinfection and cleaning of non-porous surfaces.
	775-1,850 ppm quat (5%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/71019JF	**Beverage Processing Plant Premises**	General Instructions for Use: The products registered in this site are for use on beverage processing plant premises (i.e. floors, walls, and other non-food contact surfaces).
A23	Sanitizer	
	195 ppm quat (10% SC/L)	Sanitization of precleaned surfaces.
A22	Disinfectant	
	388-399 ppm quat (5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	780 ppm quat (10% SC/L)	Disinfection of precleaned surfaces by fogging.
	775 ppm quat (10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	775-1,160 ppm quat (10% SC/L)	Mold/mildew control on surfaces.
/71003JF	**Brewery Premises**	General Instructions for Use: The product registered in this site is for use on brewery premises (i.e. floors, walls, and other non-food contact surfaces).
A22	Disinfection	
	390 ppm quat (15% SC/L)	Disinfection of precleaned non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71003JE	Brewery Processing Equipment	General Instructions for Use: The products registered in this site are for use on brewery processing equipment. Brewery processing equipment includes utensils, tanks, vats, hoses, pipelines, fillers, capping and crowning equipment, filters, fermenters, and other food contact equipment used in brewery processing.
A23	Sanitizer	
	194-195 ppm quat (2.5%, 10% SC/L)	Sanitization of precleaned surfaces.
	117 ppm quat (15% SC/L)	Sanitization of bottles.
A22	Disinfection	
	385-390 ppm quat (2.5%, 15% SC/L)	Disinfection of precleaned non-porous surfaces.
/71004JF	Cannery Premises	General Instructions for Use: The products registered in this site are for use in canning plant premises (i.e. floors, walls, and other non-food contact surfaces).
A23	Sanitizer	
	187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
A22 A24	Disinfection Deodorizer	
	389 ppm quat (10% SC/L)	Disinfection of precleaned non-porous surfaces.
	775 ppm quat (10% SC/L)	Disinfection of precleaned porous surfaces.
FYABQBB	Mold/mildew	
	775 ppm quat (10% SC/L)	Mold/mildew control on surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
JE	Cannery Processing Equipment	General Instructions for Use: The products registered in this site are for use on cannery processing equipment including vats, conveyor belts, utensils, tanks, hoses, pipelines, fillers, and other food contact surfaces.
A23	Sanitizer	
	195 ppm quat (10% SC/L)	Sanitization of precleaned surfaces.
	187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
A22	Disinfection	
	389 ppm quat (10% SC/L)	Disinfection of precleaned non-porous surfaces.
/71000JE	Food Processing Equipment and Surfaces (Food Contact)	General Instructions for Use: The products registered in this site are for use on food processing equipment (i.e. blanchers, evaporators, fillers, tanks, vats, pipelines, valves, utensils, cutting boards, and other food contact surfaces).
A23	Sanitizer	
	150-260 ppm quat (1.5%, 1.52%, 2%, 2.5%, 3%, 3.42%, 3.5%, 4.8%, 5%, 5.6%, 6.5%, 10%, 10.24%, 10.25%, 10.41%, 10.5%, 12.5%, 13%, 20%, 25%, 80% SC/L)	Sanitization of precleaned surfaces.
	187 ppm quat (5% G) (5% SC/S) or 194-310 ppm quat (2.5%, 2.75%, 4%, 10% SC/L)	Sanitization and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Food Processing Equipment and Surfaces (Food Contact) (continued)	
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
	383-602 ppm quat (2%, 5%, 5.2%, 10%, 15%, 25%, 80% SC/L) or 3,000 ppm quat (0.3% RTU)	Disinfection of precleaned non-porous surfaces.
	752-969 ppm quat (2%, 3%, 5%, 10%, 10.25%, 12.5%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	462-615 ppm quat (3%, 3.25%, 4%, 10% SC/L) or 630 ppm quat (0.063% RTU) or 3,000 ppm quat (0.3% RTU) or 1,560 ppm quat (0.156% PrL)	Disinfection and cleaning of non-porous surfaces.
	773-909 ppm quat (3%, 7.5%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/71000JF	Food Processing Plant Premises	General Instructions for Use: The products registered in this site are for use on food processing plant premises (i.e. floors, walls, and other non-food contact surfaces).
A23	Sanitizer	
	174-234 ppm quat (1.5%, 1.52%, 2%, 2.75%, 3.5%, 4.8%, 5%, 10% SC/L)	Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Food Processing Plant Premises (continued)	
	187 ppm quat (5% G) (5% SC/S) or 194-244 ppm quat (2.5%, 5%, 10%, 10.25%, 12.5% SC/L)	Sanitization and cleaning of surfaces.
18	Pseudomonacide	
22	Disinfectant	
24	Deodorizer	
25	Virucide - effective against Influenza Type A2 and Parainfluenza viruses	
29	Fungicide	
	383-558 ppm quat (2%, 2.8%, 4.8%, 5%, 10%, 15%, 25%, 50%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	752-780 ppm quat (2%, 5%, 10%, 50%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	1,170 ppm quat (50%, 80% SC/L)	Disinfection of precleaned surfaces by fogging.
	314-615 ppm quat (1.6%, 2.8%, 3.03%, 3.9%, 4%, 4.8%, 5%, 10%, 10.25%, 12.5%, 13% SC/L)	Disinfection and cleaning of non-porous surfaces.
	738-1,520 ppm quat (2.8%, 4.8%, 10%, 13% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	259-1,540 ppm quat (2%, 3%, 4.8%, 5%, 6.5%, 7.5%, 10%, 10.25% SC/L) or 3,000 ppm quat (0.3% RTU)	Mold/mildew control on surfaces.
	3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat at 8 week intervals.

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	Site, Efficacy, Dosage and Formulation	Use Directions
/71000GA	**Food Transportation Vehicles**	General Instructions for Use: The products registered in this site are for use in food transportation vehicles (i.e. tank trucks, refrigerator cars, etc.). Remove foodstuffs prior to treatment. Preclean surfaces. Dilute product following specific label instructions. Apply diluted product and scrub. Allow recommended contact time. Rinse all surfaces coming in contact with food with potable water prior to reuse.
A23	Sanitizer	
	195 ppm quat (10.41% SC/L)	Sanitization of precleaned surfaces.
A22 A24	Disinfectant Deodorizer	
	275-314 ppm quat (1.4%, 1.6% SC/L)	Disinfection and cleaning of surfaces.
/71007JF	**Fruit and Vegetable Premises**	General Instructions for Use: The product registered in this site is for use in fruit and vegetable storage areas (i.e. floors, walls, and other non-food contact surfaces).
A23	Sanitizer	
	195 ppm quat (25% SC/L)	Sanitization of precleaned surfaces.
A22 A24	Disinfectant Deodorizer	
	779 ppm quat (25% SC/L)	Disinfection and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
7 JE	**Meat Processing Equipment**	
		General Instructions for Use: The products registered in this site are for use on food contact surfaces in meat processing plants (i.e. work tables, cutting block surfaces, saws, grinders, utensils, coolers, cleavers, gambrels, carts, trays, racks, trolleys, and similar equipment or food contact surfaces in meat packing plants, slaughter houses, smoke houses, and meat processing plants).
A23	Sanitizer	
	186-260 ppm quat (2.5%, 3%, 5%, 6.5%, 7.5%, 10%, 10.24%, 10.25%, 10.41%, 12.5% SC/L)	Sanitization of precleaned surfaces.
	194 ppm quat (2.5% SC/L) or 187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
A[illegible] A2[illegible]	Disinfectant Deodorizer	
	385-399 ppm quat (2.5%, 5%, 10%, 10.25% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-1,000 ppm quat (3%, 5%, 6.5%, 10%, 10.25%, 12.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	385 ppm quat (2.5% SC/L)	Disinfection and cleaning of non-porous surfaces.
	773-775 ppm quat (7.5%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71008JF	Meat Processing Plant Premises	General Instructions for Use: The products registered in this site are for use in meat processing plant premises (i.e. floors, walls, and other non-food contact surfaces).
A23	Sanitizer	
	195-200 ppm quat (5%, 10%, 10.25% SC/L)	Sanitization of precleaned surfaces.
	194 ppm quat (2.5% SC/L)	Sanitization and cleaning of surfaces.
A22 A24	Disinfectant Deodorizer	
	388-399 ppm quat (5%, 10%, 10.25% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-969 ppm quat (5%, 10%, 12.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	314 ppm quat (1.6% SC/L)	Disinfection and cleaning of non-porous surfaces.
/71005JE	Milk Processing Equipment	General Instructions for Use: The products registered in this site are for use in milk and dairy processing plants. Included in this section are products used to sanitize blanchers, evaporators, homogenizers, holding tanks, pipelines, valves, utensils, butter starter tanks, cheese processing equipment and utensils, and similar milk contact equipment.
A23	Sanitizer	
	187 ppm quat (5% G) or 195-205 ppm quat (2.5%, 5%, 6.25%, 10%, 10.25%, 10.5% SC/L) or	Sanitization of preclean surfaces.

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	Site, Efficacy, Dosage and Formulation	Use Directions
	Milk Processing Equipment (continued)	
	187 ppm quat (5% SC/S)	
A22 A24	Disinfectant Deodorizer	
	385-389 ppm quat (2.5%, 5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-775 ppm quat (5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
/71005JF	Milk Processing Plant Premises	
		General Instructions for Use: The products registered in this site are for use in milk and dairy processing plant premises (i.e. floors, walls, ceilings, and other non-food contact surfaces). Also refer to Dairy Farm Premises for efficacy, dose and use information.
[illegible]	Disinfectant	
	388 ppm quat (5% SC/L)	Disinfection of precleaned surfaces.
	1,850 ppm quat (5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71009JE	Poultry Processing Equipment	
		General Instructions for Use: The products registered in this site are for use on food contact surfaces in poultry processing and packing plants (i.e. cutting surfaces, picking machines, utensils, eviscerating lines, shackle lines, chill tanks, packing tables, and other equipment and food contact surfaces).
A23	Sanitizer	
	186-200 ppm quat (3%, 5%, 10%, 10.24%, 10.25%, 12.5% SC/L)	Sanitization of precleaned surfaces.
	194 ppm quat (2.5% SC/L) or 187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
A22 A27	Disinfectant Deodorizer	
	385-389 ppm quat (2.5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-969 ppm quat (5%, 10%, 12.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	373 ppm quat (5% G)	Disinfection and cleaning of non-porous surfaces.
	741 ppm quat (5% G)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/71009JF	Poultry Processing Plant Premises	
		General Instructions for Use: The products registered in this site are for use in poultry processing plants (i.e. floors, walls, ceilings, and other non-food contact surfaces).
A23	Sanitizer	
	195 ppm quat (10% SC/L)	Sanitization of precleaned surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Poultry Processing Plant Premises (continued)	
	187 ppm quat (5% SC/S)	Sanitization and cleaning of surfaces.
122	Disinfectant	
124	Deodorizer	
	388-389 ppm quat (5%, 10% SC/L)	Disinfection of precleaned non-porous surfaces.
	769-775 ppm quat (5%, 10% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	373 ppm quat (5% G) or 314 ppm quat (1.6% SC/L)	Disinfection and cleaning of non-porous surfaces.
	741 ppm quat (5% G)	Disinfection and cleaning of porous or heavily contaminated surfaces.

(Eating Establishments)

5JE Eating Establishment Equipment and Utensils

General Instructions for Use: The products registered in this site are for use on equipment and utensils in eating establishments (i.e. restaurants, taverns, bars, cafeterias, etc.) where food and beverages are served. Utensils include silverware, dishes, glassware, and similiar cooking and eating utensils. Equipment includes fixtures, stoves, sinks, and refrigerators.

Sanitizers which are registered for use on food contact surfaces are required to be in compliance with the food additive regulations identified in Title 21 Code of Federal Regulations, Section 178.1010, Sanitizing solutions.

Sanitizer food contact surface treatment instructions:
1) Remove surface soils by scraping or flushing with water.
2) Wash with a suitable detergent or cleaner.
3) Rinse with potable water.
4) Dilute product according to label directions.
The solutions may not exceed specified concentrations (200 ppm quat).

Site, Efficacy, Dosage and Formulation — **Use Directions**

Eating Establishment Equipment and Utensils (continued)

5) Apply by immersion, flooding, spraying, mopping, sponging, or wiping making sure to wet all surfaces thoroughly.
6) Allow for the specified contact time (at least 1 minute.
7) Allow the use solution to drain and air dry.
8) Do not rinse the surface with water after sanitizing as this will recontaminate the surface.

Follow label instructions for products registered for use on food contact surfaces which are disinfectants.

One-step cleaner-sanitizers and cleaner-disinfectants may be used without prior cleaning.

Observe local regulations regarding contact period of the sanitizing solution. A minimum of 2 minutes contact time is stipulated by health departments that follow the United States Public Health Service Ordinance and Code. Adhere to manufacturers' instructions regarding the temperature of diluent and rinse. Drain equipment and food contact surfaces thoroughly. Rinse with potable water when required.

	Site, Efficacy, Dosage and Formulation	Use Directions
A23	Sanitizer	
	207-216 ppm quat (24% P/T) or 155-244 ppm quat (1%, 1.5%, 2.5%, 3%, 3.42%, 3.5%, 4.5%, 4.75%, 5%, 6.25%, 7.5%, 9%, 9.4%, 10%, 10.25%, 10.41%, 10.5%, 12.5%, 15.2%, 15.3%, 20%, 50%, 56%, 80% SC/L)	Sanitization of precleaned surfaces.
	155-310 ppm quat (2%, 3%, 4%, 5%, 6% SC/L)	Sanitization and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Eating Establishment Equipment and Utensils (continued)	
22 84	Disinfectant Deodorizer	
	385-588 ppm quat (2.21%, 2.25%, 2.5%, 2.6%, 3%, 3.3%, 4.8%, 10%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	775-777 ppm quat (5.05%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	383-687 ppm quat (2%, 3%, 4%, 5%, 6%, 10% SC/L) or 630-4,000 ppm quat (0.063%, 0.2%, 0.4% RTU)	Disinfection and cleaning of non-porous surfaces.
	775-1,343 ppm quat (3%, 5%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
/7[illegible]00JF	Eating Establishment Premises	General Instructions for Use: The products registered in this site are for use on eating establishment premises (i.e. floors, walls, and other non-food contact surfaces). Eating establishment premises include commercial restaurants and cafeterias, institutional and household kitchens and dining areas, etc. Preclean surfaces before treatment with the antimicrobial solution. One-step cleaner-sanitizers and cleaner-disinfectants do not require a precleaning step. Dilute product according to label directions. Apply by mop, spray, cloth, sprinkle, scrub, brush, or machine apparatus. Thoroughly wet surfaces to be treated. Avoid contamination of foods or food contact surfaces. Some products require a rinse with potable water following the antimicrobial treatment. For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Eating Establishment Premises (continued)	
A23	Sanitizer	
	154-246 ppm quat (1%, 1.6%, 4.5%, 10%, 10.25% SC/L)	Sanitization of precleaned surfaces.
	154-338 ppm quat (1%, 1.5%, 1.67%, 2%, 2.2%, 2.5%, 3%, 6%, 9%, 10% SC/L)	Sanitization and cleaning of surfaces.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Parainfluenza, Herpes simplex, Vaccinia, New Castle Disease and Adenovirus Type 3 viruses	
A29	Fungicide	
	445 ppm quat (1.47% EC) or 350-690 ppm quat (1%, 1.25%, 1.47%, 1.5%, 1.6%, 1.67%, 2%, 2.2%, 2.21%, 2.5%, 2.7%, 2.8%, 2.94%, 3%, 3.25%, 3.6%, 3.8%, 4%, 4.8%, 5%, 9%, 10%, 10.25%, 10.5%, 25%, 50%, 80% SC/L) or 2,500-5,800 ppm quat (0.25% EC) (0.3%, 0.58% RTU) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned non-porous surfaces.
	725-1,620 ppm quat (1%, 1.25%, 1.5%, 1.67%, 2%, 2.2%, 2.5%, 2.75%, 5%, 10%, 10.25%, 12.5%, 25%, 50%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions
Eating Establishment Premises (continued)	
366-687 ppm quat (1.5%, 1.52%, 2.5%, 2.7%, 2.8%, 3%, 3.25%, 3.5%, 3.9%, 5%, 5.2%, 6%, 9%, 9.4%, 10%, 15.3% SC/L) or 2,000-4,000 ppm quat (0.2%, 0.3%, 0.4% RTU) or 1,560 ppm quat (0.156% PrL)	Disinfection and cleaning of non-porous surfaces.
698-1,850 ppm quat (2.8%, 3%, 4.5%, 5%, 5.2%, 9%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
YABQBB Mold/mildew	
464-1,540 ppm quat (1%, 1.5%, 2.5%, 4%, 4.6%, 5%, 6%, 9%, 10% SC/L) or 630-5,800 ppm quat (0.063%, 0.3%, 0.4%, 0.58% RTU)	Mold/mildew control on surfaces.
3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat at 8 week intervals.

Site, Efficacy, Dosage and Formulation	Use Directions

(Hospital and Related Institutions)

/74012GA Dental Appliances
/74011GA-2 Dental Instruments

General Instructions for Use: The products registered in this site are for use on dental instruments and orthodontic or prosthetic dental appliances.
Clean instruments and appliances with detergent and scrub free of organic debris. Rinse with water and drain dry. Use product at specified dilution. In hard water areas, it is best to dilute product with distilled water. Immerse appliance or instrument in solution. Allow a minimum of 15 minutes contact time.

Most of these products contain sodium nitrite as a rust inhibitor. If it is not present and metal items are to be stored in these solutions for longer than 16 hours, add 0.1 percent sodium nitrite to final use dilutions.

Site Specific General Warnings: If possible, sterilize instruments with heat or ethylene oxide. Phenolic and quaternary ammonium compound solutions do not destroy bacterial spores, hepatitis viruses, or hydrophilic viruses. Quaternary ammonium compounds do not destroy *Mycobacterium tuberculosis*.

A18 Pseudomonacide
A22 Disinfectant

775-1,350 ppm quat (6.66%, 10%, 17.4% SC/L) or 1,330-5,000 ppm quat (0.133%, 0.27%, 0.5% RTU)	Disinfection of precleaned porous or heavily contaminated surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions

/7 GA-2 Hospital Critical Equipment

General Instructions for Use: The products registered in this site are for use on hospital equipment that requires more stringent anitmicrobial treatment than general hospital equipment. This includes equipment which contacts the blood, tissue, or mucous membranes of the patient or equipment which is used in operating rooms, isolation wards, nurseries, and other critical hospital areas. Lensed instruments and fiberoptics, anesthesia and respiratory therapy equipment, and hemodialysis machines are in this site.

Disassemble items as much as possible. Remove all visible soil before treatment with a disinfectant. Before treatment with a one-step disinfectant-cleaner remove heavy soil; during treatment remove other visible soil.

For an antimicrobial to be effective all surfaces of the item must come in contact with the chemical for the required contact time. All surfaces must be rinsed with water when recommended. In the case of narrow tubing or catheters this may require flushing with a needle and syringe.

Site Specific General Warnings: If possible, critical equipment should be sterilized with heat or ethylene oxide. Phenolics and quaternary ammonium compound solutions do not destroy bacterial spores, hepatitis or hydrophilic viruses. Quaternary ammonium compounds also do not destroy *Mycobacterium tuberculosis*.

A24 Bacteriostat

256-273 ppm quat (44% SC/L)	Bacteriostatic treatment for precleaned surfaces.

A22 Disinfectant

769-1,360 ppm quat (2%, 10%, 17%, 44% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.

Site, Efficacy, Dosage and Formulation | **Use Directions**

/740000A **Hospital Premises and Equipment**

General Instructions for Use: The products registered in this site are for use in hospitals and medical facility premises (i.e. floors, walls, ceilings, fixtures, air ducts, and environmental surfaces) and on hospital non-critical contents (i.e. furniture, bedframes, telephones, tables, carts, physical therapy equipment, bedpans, basins, and janitorial equipment). Some products are intended for use on hospital conductive floors.

Medical facilities include nursing homes, doctor and dentist offices, laboratories, and sanitariums. Hospital noncritical contents includes those items, hard surfaces, equipment, and furniture that do not contact the patient or only contact the patient's skin.

Surfaces must be precleaned with detergent and rinsed with water before treatment with a disinfectant solution. One-step disinfectant-cleaners will clean and disinfect in 1 step in the presence of light to moderate soil conditions; heavy surface soil must be removed before treatment. Dilute products according to label directions and apply.

Methods of Application:

Flood application. Cover surface with solution. Allow required contact time. An automatic scrubber may be used to loosen soil. Remove solution with wet vacuum pick-up.

Mop, sponge, or cloth application. Dip applicator in pail of solution and apply to surface. A double bucket method is preferred for one-step cleaning and disinfecting. The applicator is dipped in a rinse bucket of the solution to flush out soil before being returned to wash bucket.

Spray application. Product is 1) in pressurized spray container or 2) solution is to be applied by hand-trigger spray dispenser. Spray with product from a distance of 6 to 8 inches until surface is moist. For one-step cleaning-disinfecting, wipe surface clean with sponge or cloth.

Hospital Premises and Equipment (continued)

Fog application. Close all doors and windows and remove humans and animals from room. Apply product with electric sprayer or mechanical fogging equipment. Refer to product directions for rate, duration, and frequency of spraying, and required interval before re-entering room. Fogging is an adjunct to standard cleaning and disinfecting. Following fogging, clean and disinfect surfaces manually.

After cleaning or rinsing hospital floors, soil containing solutions must be removed (i.e. by wet vacuum pick-up). Following disinfectant treatment, a rinse with water is usually not required. Dried residue of disinfectant on conductive flooring (i.e. in operating rooms) must not interfere with floor conductivity if a flammable anesthetic will be used in the room. Products which meet this requirement are in accordance with the National Fire Protection Association (N.F.P.A) standard 56A and are registered for use on conductive flooring.

For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

A23 Sanitizer

194-233 ppm quat (2.5%, 3%, 5%, 10.25% SC/L)	Sanitization of precleaned surfaces.
195-366 ppm quat (1.5%, 2.2%, 3.5%, 4.5%, 5%, 6%, 10%, 12.5% SC/L)	Sanitization and cleaning of surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions
Hospital Premises and Equipment (continued)	
A18 Pseudomonacide	
A22 Disinfectant	
A24 Deodorizer	
A25 Virucide - effective against Influenza Type A2, Herpes simplex, Vaccinia, Newcastle Disease and Adenovirus Type 3 viruses	
A29 Fungicide	
385-698 ppm quat (1.25%, 1.47%, 1.5%, 1.52%, 2%, 2.2%, 2.25%, 2.5%, 2.6%, 2.94%, 3%, 3.42%, 3.6%, 3.67%, 3.96%, 4%, 4.5%, 4.8%, 5%, 5.6%, 6.5%, 7%, 7.5%, 9%, 10%, 10.25%, 80% SC/L) or 630-3,000 ppm quat (0.25% EC) (0.063%, 0.13%, 0.3% RTU) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned non-porous surfaces.
692-1,540 ppm quat (1.25%, 1.5%, 1.6%, 2.2%, 2.21%, 2.5%, 2.75%, 2.8%, 3%, 3.3%, 3.42%, 3.5%, 3.67%, 4%, 4.25%, 4.5%, 4.8%, 5%, 5.6%, 6.5%, 7%, 7.5%, 10%, 10.25%, 10.5%, 12.5%, 20%, 25%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
1,920-2,940 ppm quat (5%, 7%, 10% SC/L)	Disinfection of precleaned surfaces by fogging.

Site, Efficacy, Dosage and Formulation	Use Directions
Hospital Premises and Equipment (continued)	
379-615 ppm quat (1.25%, 2%, 2.5%, 2.8%, 3.03%, 3.1%, 3.5%, 3.8%, 3.9%, 4%, 4.8%,5%, 5.2%, 6%, 9%, 10%, 13% SC/L) or 3,000 ppm quat (0.3% RTU) or 1,560-3,840 ppm quat (0.156%, 0.384% PrL)	Disinfection and cleaning of non-porous surfaces.
714-1,850 ppm quat (1.5%, 2%, 2.5%, 3%, 3.25%, 4.5%, 4.8%, 5%, 6%, 9%, 10%, 12.5%, 13%, 17% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
QBB Mold/mildew	
399-1,540 ppm quat (1.5%, 2%, 3.9%, 4%, 4.5%, 4.8%, 5%, 6%, 9%, 10%, 10.25% SC/L) or 630-3,000 ppm quat (0.063%, 0.3% RTU) or 3,840-4,000 ppm quat (0.384%, 0.4% PrL)	Mold/mildew control on surfaces.
3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat every 8 weeks.

Site, Efficacy, Dosage and Formulation	Use Directions

/74012GA **Hospital Rubber and Plastic Items**

General Instructions for Use: The products registered in this site are for use on hospital items made of rubber or plastic. This includes both critical and non-critical items such as tubing, catheters, masks, gloves, or rubber sheets.

Disassemble items as much as possible. Remove all visible soil before treatment with a disinfectant or sterilant. Before treatment with a one-step disinfectant-cleaner remove heavy soil, during treatment remove other visible soil. For an antimicrobial to be effective all surfaces of the item must come in contact with the chemical. Allow a minimum of 10 minutes contact time. All surfaces must be rinsed with water. In the case of narrow tubing or catheters this may require flushing with a needle and syringe.

Site Specific General Warnings: If possible, critical rubber and plastic items should be sterilized with heat or ethylene oxide. Phenolics and quaternary ammonium compound solutions do not destroy bacterial spores, hepatitis, or hydrophilic viruses. Quaternary ammonium compounds also do not destroy *Mycobacterium tuberculosis*.

A24 Bacteriostat

Site, Efficacy, Dosage and Formulation	Use Directions
256-273 ppm quat (44% SC/L)	Bacteriostatic treatment for precleaned surfaces.

A18 Pseudomonacide
A22 Disinfectant

Site, Efficacy, Dosage and Formulation	Use Directions
385-560 ppm quat (1.25%, 2.2%, 3.3%, 10% SC/L) or 752-1,360 ppm quat (2%, 3.3%, 3.5%, 5%, 6.25%, 10%, 12.5%, 17%, 44% SC/L) or 1,330-5,000 ppm quat (0.133%, 0.27%, 0.5% RTU)	Disinfection of precleaned porous or heavily contaminated surfaces.

Site, Efficacy, Dosage and Formulation

Use Directions

/74001GA Surgical Instruments

General Instructions for Use: The products registered in this site are for use on surgical instruments and hospital, medical, and/or laboratory critical instruments. Critical instruments are those instruments which penetrate the tissue or make intimate contact with the blood or the mucous membranes of the body.

Instrument surfaces must be precleaned with soap or detergent and rinsed with water before treatment with an antimicrobial solution. Instruments should be scrubbed free of organic debris and allowed to drain dry. One-step disinfectant-cleaners will clean and disinfect in 1 step only in the presence of light to moderate soil conditions; heavy surface soil must be removed before treatment with a one-step disinfectant-cleaner.

Methods of Application:

Instrument presoak. Lightly to moderately soiled instruments are immersed in disinfectant-cleaner solution immediately after use and before cleaning and terminal disinfection.

Wipe treatment. Instrument surfaces are sprayed until wet.

Solution immersion. Product is a ready-to-use solution or a concentrate which is diluted with water according to label instructions. The instruments are immersed in the solution; if the product is a disinfectant-cleaner, the instruments must be rubbed or brushed free of soil. To disinfect or sterilize all surfaces, the instrument must make contact with the solution, being careful to avoid entrapment of air bubbles. Required contact time and rinse directions must be observed. If no contact time is given, allow a minimum of 10 minutes. Sodium nitrite should be added to inhibit rust when recommended.

Site Specific General Warnings: If possible, critical instruments should be sterilized with heat or ethylene oxide. Phenolics and quaternary ammonium compound solutions do not destroy bacterial spores, hepatitis or hydrophilic viruses. Quaternary ammonium compounds also do not destroy Mycobacterium tuberculosis.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Surgical Instruments (continued)	
A24	Bacteriostat	
	256-273 ppm quat (44% SC/L)	Bacteriostatic treatment for precleaned surfaces.
A18 A22 A29	Pseudomonacide Disinfectant Fungicide	
	752-1,990 ppm quat (2%, 3%, 3.67%, 5.6%, 6.25%, 6.5%, 6.66%, 7.5%, 10%, 12.5%, 12.8%, 17%, 17.4%, 44%, 80% SC/L) or 1,330-50,000 ppm quat (0.133%, 0.27%, 0.5%, 5% RTU)	Disinfection of precleaned porous or heavily contaminated surfaces.
/740120A	Thermometers	General Instructions for Use: The products registered in this site are for use on thermometers. Process oral and rectal thermometers separately. Wipe thermometer with a detergent solution to clean. Rinse with water. Solution immersion: Products are ready-to-use solutions or concentrates that are to be diluted with water. Immerse thermometer in solution until ready to use. Before reuse, rinse thermometer with sterile or potable water or 70 percent alcohol. Site Specific General Warnings: Phenolic and quaternary ammonium compounds should not be relied upon to destroy hepatitis virus. Quaternary ammonium compounds and phenolic solutions do not destroy hydrophilic viruses. Quaternary ammonium solutions do not kill *Mycobacterium tuberculosis*.
A22	Disinfectant	
	700-1,330 ppm quat (7%, 17% SC/L) or	Disinfection of precleaned porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Thermometers (continued)	
	1,300-1,350 ppm quat (0.13%, 0.135% RTU) or 1,000 ppm quat (0.1% PrL)	
/74011GA	Veterinary Hospital Instruments and Critical Equipment	General Instructions for Use: The products registered in this site are for use on veterinary hospital instruments and critical equipment. This includes surgical instruments, surgical equipment, catheters, tubing, rubber gloves, and thermometers. Critical equipment is defined as equipment that penetrates the skin or contacts the mucous membranes of the animal. Before treatment, preclean and rinse all articles thoroughly. Product is diluted with water and the instruments are immersed in the solution. Allow for specified contact time. For storage of metal instruments, a rust inhibitor must be added if not included in the product formulation. To solutions of quaternary ammonium compounds, add 0.2 percent sodium nitrite. To phenolic solutions, add 0.5 percent sodium bicarbonate. Do not keep aluminum instruments in quaternary ammonium compound solutions longer than 30 minutes.
A22	Disinfectant	
	385 ppm quat (5% SC/L)	Disinfection of precleaned surfaces.
	775 ppm quat (10% SC/L) or 1,330 ppm quat (0.133% RTU)	Disinfection of precleaned porous or heavily contaminated surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
/740000A	Veterinary Hospital Premises and Contents	

General Instructions for Use: The products registered in this site are for use on veterinary hospital premises and non-critical contents. Non-critical contents are furniture, equipment, and utensils which do not contact the mucous membranes or penetrate the skin of the animal.

Before treatment with a disinfectant, preclean and rinse all surfaces. Before treatment with a one-step cleaner-disinfectant, remove heavy surface soil. Apply by mop, cloth, sponge, brush, spray or immersion. Allow for specified contact time. Rinse all food contact surfaces after treatment. Re-introduce animals after surface has dried.

For mold/mildew control, preclean hard non-porous surfaces prior to treatment when required. Apply by sponge, cloth, mop, or spray. Allow to dry. Do not rinse. Repeat periodically or when mold/mildew growth appears.

	Site, Efficacy, Dosage and Formulation	Use Directions
A23	Sanitizer	
	195 ppm quat (5%, 10% SC/L)	Sanitization and cleaning of surfaces.
A19	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
	388-486 ppm quat (5%, 10%, 80% SC/L)	Disinfection of precleaned non-porous surfaces.
	775-1,540 ppm quat (1.5%, 10%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	775-1,160 ppm quat (10% SC/L)	Mold/mildew control on surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Industrial Preservatives and Additives)	
/810050A	Leather and Leather Products	General Instructions for Use: The product registered in this site is for use on leather and leather products. It is used to control the growth of protein digesting bacteria (during short term transit from soaking plant to tannery or curing plant) on rawhide. This product is for industrial use only, and is to be added to various steps in leather processing according to the following methods of application: Fresh-hide spray method. Spray product on the hair side of washed and fleshed hides. Trimmings for animal feed should be removed from the hides prior to application. Fresh treated hides should not be exposed for more than 3 days before further processing. Soak method. Add product to the solutions used in paddle, drum, and vat soaking. Use as a precaution against bacterial action. Agitate 20 to 30 minutes.
A24	Bacteriostat	
	855-1,620 ppm quat (80% SC/L)	Bacteriostatic treatment by fresh hide spray method. Application rate is 1.5 fluid ounces of product to 45 to 85 pounds or to 35 to 50 square feet of hide.
	35,800 ppm quat (80% SC/L)	Bacteriostatic treatment by soak method.

Site, Efficacy, Dosage and Formulation	Use Directions

/810070A **Metalworking Cutting Fluids**

General Instructions for Use: The product registered in this site is for use in metalworking cutting fluids to control the growth of bacteria and fungi which cause rancidity, foul odors, pH drifts, and emulsion breakdown of cutting fluids. Included in this section are the products for use in straight cutting oils and for oil-water emulsion cutting fluids (i.e. soluble, emulsifiable, and synthetic cutting and grinding oils, fluids, coolants, and lubricants).

The amount of product required will depend on the type of system being treated, the nature and extent of microbiological contamination, the degree of control required, temperature and pH. Add product according to one of the following methods of application:

Contaminated systems: Product may be added to disinfect contaminated fluids, but may require excessively high doses. For best results, drain and clean system, and recharge fresh fluid.

Fresh fluids:

Initial treatment. Add product to the initial charge of fresh fluid. Heavily contaminated systems may require higher doses of product. For emulsion cutting fluids, product is added (1) to the oil concentrate, which is then diluted to obtain the final use concentration, (2) to the water phase during formulation, or (3) to the final diluted fluid. Product may be added directly to the sump for individual machines, or to the discharge side of the reservoir for central machines. Product directions recommend treatment be repeated at intervals (usually once a week or less frequently).

Make-up fluids. Make-up fluids usually contain the same level of product a the initial charge.

A28 Microbicide/microbistat
A24 Bacteriostat

610-806 ppm quat (2.5% SC/L)	Bacteriostatic treatment for coolant systems of metalworking machines.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Domestic and Human Uses)	
/860040A	Human Face Gear	General Instructions for Use: The products registered in this site are for use on human face gear which shields or covers the eyes, nose, or mouth. These include welding helmets, oxygen masks, gas masks, and respirators. The items in this section are for household, commercial, institutional, and industrial use. Pressurized sprays: Spray product from specified distance until surface is wet. Allow to dry. Solutions. Prepare use dilution of product. Apply solution to item by spray, cloth wipe, or immersion. Observe required contact time. Rinse if required. Product directions may require precleaning of item prior to treatment.
A22	Disinfectant	
	388-500 ppm quat (5% SC/L)	Disinfection of precleaned surfaces.
	769 ppm quat (5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
	462 ppm quat (3% SC/L) or 370 ppm quat (2.5% SC/S) or 1,500 ppm quat (0.15% PrL)	Disinfection and cleaning of surfaces.

Site, Efficacy, Dosage and Formulation

Use Directions

/860050A **Human Footwear**

General Instructions for Use: The products registered in this site are for use on the inner surfaces of street shoes, athletic shoes (bowling, golf, tennis, etc.), skates, rental shoes, and other footwear. May also be used on the exterior surfaces of protective boots and shoes worn by workers, farmers, hospital personnel, and veterinarians to decontaminate footwear and to aid in reducing the spread of infectious organisms from 1 building or area to another.

Methods of Application.:

Spray: Spray surface until wet. Air dry.

Immersion: Dilute concentrate with water to obtain required dilution. Immerse footwear in solution. Observe required contact time. Rinse with water if required. Air dry.

Wipe: Dilute concentrate with water to obtain required dilution. Wash surface with sponge, cloth, or brush dipped in solution. Rinse with water if required. Air dry.

A22	Disinfectant	
	495 ppm quat (5% SC/L)	Disinfection of precleaned surfaces.
	775 ppm quat (10% SC/L)	Disinfection of precleaned heavily contaminated surfaces.

/860060A **Human Headgear**

General Instructions for Use: The products registered in this site are for use on human headgear that cover the top of the head or ears. This includes wrestling headgear, football helmets, hardhats, safety hats, headsets, and earplugs.

Pressurized sprays. Spray product from the specified distance until surface is wet. Allow to dry.

Solutions. Prepare use dilution of product. Apply solution by spray, cloth wipe, or immersion. Observe required contact time. Rinse may be required.

Product directions may require precleaning of item prior to treatment.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Human Headgear (continued)	
A22	Disinfectant	
	370 ppm quat (2.5% SC/S)	Disinfection of surfaces.
	1,500 ppm quat (0.15% PrL)	Disinfection and cleaning of surfaces.
	(Bathrooms)	
/880030A	**Bathroom Premises**	General Instructions for Use: The products registered in this site are for use in bathroom premises (i.e. floors, walls, sinks, bathtubs, shower stalls, toilet seats, toilet exterior surfaces, and fixtures). Included are products for hospital, institutional, commercial, industrial, and household use. Preclean surfaces prior to treatment. A precleaning step is not required for one-step disinfectant-cleaners. Dilute product as directed. Apply by mop, sponge, brush, cloth, or spray. Wet surfaces thoroughly. Allow required contact time. Rinse where required. Porous surfaces such as grout and unfinished or scarred surfaces may require a higher concentration of solution than non-porous surfaces such as porcelain and tile.
A23	Sanitizer	
	194-344 ppm quat (1.5%, 2.5%, 2.52%, 3%, 5%, 5.6%, 10% SC/L)	Sanitization of precleaned surfaces.
	195-308 ppm quat (2%, 3%, 5%, 6% SC/L)	Sanitization and cleaning of surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions
Bathroom Premises (continued)	
A18 Pseudomonacide	
A22 Disinfectant	
A24 Deodorizer	
A25 Virucide - effective against Influenza Type A2, Herpes simplex, Adenovirus Type 3 and Vaccinia viruses	
A29 Fungicide	
383-698 ppm quat (1.5%, 1.52%, 1.6%, 1.9%, 2%, 2.21%, 2.5%, 2.6%, 2.7%, 2.8%, 3%, 3.25%, 3.3%, 3.96%, 4%, 4.8%, 5%, 5.6%, 9%, 10%, 10.25%, 10.5%, 15.2%, 20%, 25%, 50%, 80% SC/L) or 3,000-5,800 ppm quat (0.3%, 0.58% RTU) or 4,000 ppm quat (0.4% RTU)	Disinfection of precleaned non-porous surfaces.
727-1,620 ppm quat (2%, 2.52%, 2.75%, 3%, 4%, 4.25%, 4.8%, 5%, 10%, 10.25%, 12.5%, 17%, 20%, 25%, 50%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
1,170 ppm quat (80% SC/L)	Disinfection of precleaned surfaces by fogging.
376-687 ppm quat (1%, 2%, 2.25%, 2.7%, 2.8%, 3%, 3.03%, 3.1%, 3.5%, 3.9%, 4%, 5%, 5.2%, 5.4%, 6%, 9.4%, 10% SC/L) or 630-15,000 ppm quat (0.063%, 0.2%, 0.3%, 0.4%, 1.5% RTU) or	Disinfection and cleaning of non-porous surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Bathroom Premises (continued)	
	1,500-3,840 ppm quat (0.1%, 0.15%, 0.156%, 0.23%, 0.384% PrL)	
	725-1,850 ppm quat (1%, 1.5%, 1.52%, 2.8%, 3%, 3.5%, 4%, 5%, 5.2%, 6%, 6.25%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.
FYABQBB	Mold/mildew	
	464-1,540 ppm quat (1%, 1.5%, 2.5%, 4%, 4.5%, 4.8%, 5%, 6%, 10% SC/L) or 630 ppm quat (0.063% RTU) or 630-5,800 ppm quat (0.063%, 0.4%, 0.58% RTU) or 1,500-4,000 ppm quat (0.15%, 0.384%, 0.4% PrL)	Mold/mildew control on surfaces.
	3,060 ppm quat (2.75% SC/L)	Mold/mildew control on surfaces. Repeat at 8 week intervals.
/880060A	Chemical and Portable Toilets	General Instructions for Use: The product registered in this site is for use in chemical, recirculating, and portable toilets. Toilet charge. Add product to the toilet at the recommended dilution. Keep organic matter covered with solution. Add additional product as needed. Replace solution periodically. Toilet surface treatment. Empty container, clean, and rinse. Scrub, sprinkle, or spray surfaces with product solution.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Chemical and Portable Toilets (continued)	
A22	Disinfectant	
	462 ppm quat (3% SC/L)	Disinfection and cleaning of surfaces.
A24	Deodorizer	
	30,000 ppm quat (3% SC/L)	Deodorization and cleaning of surfaces.
/880090A	Diaper Pails	

General Instructions for Use: The products registered in this site are for use on diaper pail surfaces against pathogenic and/or odor-causing bacteria.

Preclean diaper pail with soap or detergent and rinse before disinfectant treatment. For one-step disinfectant-cleaners, remove heavy organic soil prior to treatment. Dilute product with water as directed. Observe required contact time.

Methods of Application:

Spray application. Products are formulated as liquid ready-to-use, pressurized liquid, or soluble concentrate/liquid to be poured into a hand, steam, or electric spray device. Pressurized liquid formulations are to be sprayed from a distance of 6 to 12 inches. Spray surface until thoroughly wet. Allow surface to dry. For one-step disinfectant-cleaners, wipe surface clean with a sponge or cloth after application.

Wipe application. Apply product by cloth, sponge, or brush saturated with disinfectant solution. Wet surfaces thoroughly by wiping or scrubbing.

A22	Disinfectant	
A24	Bacteriostat	
A25	Virucide - effective against Influenza Type A2 virus	
	385-618 ppm quat (1.5%, 1.9%, 2.21%, 2.5%, 3.3%, 9%, 10%, 15.2% SC/L) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned diaper pails.

Site, Efficacy, Dosage and Formulation	Use Directions

Chemical and Portable Toilets (continued)

A22 Disinfectant

462 ppm quat (3% SC/L)	Disinfection and cleaning of surfaces.

A24 Deodorizer

30,000 ppm quat (3% SC/L)	Deodorization and cleaning of surfaces.

/880090A **Diaper Pails**

General Instructions for Use: The products registered in this site are for use on diaper pail surfaces against pathogenic and/or odor-causing bacteria.

Preclean diaper pail with soap or detergent and rinse before disinfectant treatment. For one-step disinfectant-cleaners, remove heavy organic soil prior to treatment. Dilute product with water as directed. Observe required contact time.

Methods of Application:

Spray application. Products are formulated as liquid ready-to-use, pressurized liquid, or soluble concentrate/liquid to be poured into a hand, steam, or electric spray device. Pressurized liquid formulations are to be sprayed from a distance of 6 to 12 inches. Spray surface until thoroughly wet. Allow surface to dry. For one-step disinfectant-cleaners, wipe surface clean with a sponge or cloth after application.

Wipe application. Apply product by cloth, sponge, or brush saturated with disinfectant solution. Wet surfaces thoroughly by wiping or scrubbing.

A22 Disinfectant
A24 Bacteriostat
A25 Virucide - effective against Influenza Type A2 virus

385-618 ppm quat (1.5%, 1.9%, 2.21%, 2.5%, 3.3%, 9%, 10%, 15.2% SC/L) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned diaper pails.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Diaper Pails (continued)	
	698-769 ppm quat (4.8%, 5% SC/L)	Disinfection of precleaned heavily contaminated diaper pails.
	415-615 ppm quat (2.7%, 3%, 4% SC/L) or 3,840 ppm quat (0.384% PrL)	Disinfection and cleaning diaper pails.
	769-1,210 ppm quat (4%, 5% SC/L)	Disinfecting and cleaning of heavily contaminated diaper pails.
/880040A	**Toilet Bowls and Urinals**	
		General Instructions for Use: The products registered in this site are for use on toilet bowl and urinal surfaces and water. Methods of Application: Surface treatment. Remove or force bowl water over the trap. Dilute product as required. Brush, swab, spray, or scrub surfaces with product and then flush. Alternatively, add undiluted product to the bowl water (97 fluid ounces or 101 ounces (by weight) to obtain the proper use dilution. Swab surfaces. Allow specified contact time. Rinse by flushing. Water additive treatment. Install product container as directed in bowl or flush tank. Products may use drop feeder system, automatic metering device, or solid block form. Refill as directed.
A23	Sanitizer	
	194-195 ppm quat (2.5%, 5%, 10% SC/L)	Sanitization of precleaned surfaces.
	231-344 ppm quat (1.5%, 3% SC/L)	Sanitization and cleaning of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Toilet Bowls and Urinals (continued)	
A22 A24	Disinfectant Deodorizer	
	370-508 ppm quat (2%, 2.21%, 2.7%, 3%, 3.3%, 5%, 10%, 80% SC/L) or 1,000-4,000 ppm quat (0.1%, 0.4% PrL)	Disinfection of precleaned surfaces.
	752-1,620 ppm quat (2%, 2.75%, 3%, 5%, 6.25%, 10%, 12.5%, 80% SC/L)	Disinfection of precleaned heavily contaminated surfaces.
	370-687 ppm quat (1%, 2%, 3%, 4%, 9.4% SC/L) or 1,500 ppm quat (0.15% PrL)	Disinfection and cleaning of surfaces.
	725-769 ppm quat (1%, 5% SC/L)	Disinfection and cleaning of heavily contaminated surfaces.
/880070A	Vehicular Holding Tank	General Instructions for Use: The products registered in this site are for use in vehicular sewage holding tanks to control odor-causing bacteria. Tank charge. Add product to tank at recommended rate after each disposal of waste. Solution remains in tank during tank use. Repeat application periodically between charges to maintain control. Tank surface cleaning. Empty holding tank and rinse with water. Close valve. Add product dilution. Allow required contact time. Agitate by allowing solution to remain in tank while traveling. Drain and recharge.
A24	Deodorizer	
	485 ppm quat (5% SC/L) or 5,000 ppm quat (0.5% RTU)	Deodorization of surfaces.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Laundry)	
/870100A	Carpets	General Instructions for Use: Preclean soiled carpets. Spray carpet with product from a distance of 6 to 18 inches until moist. Allow to dry.
FYABQBB	Mold/mildew	
	1,380 ppm quat (2.21% SC/L)	Carpet treatment. Apply as a spray to aid in the control of mold/mildew.
/87007HO	Diapers (Commercial)	General Instructions for Use: The products registered in this site are for use on large loads of diapers. These products are for use in large commercial wash wheels with dosages based on 100 pounds of dry fabric. Products are for use by diaper services and hospital, industrial, and institutional laundries only. The object of control of the residual bacteriostats and self-sanitizers is to inhibit the growth of odor-causing and ammonia-producing bacteria (i.e. Brevibacterium ammoniagenes) which act on urine in diapers. Residual antimicrobial activity is effective only under conditions of high relative humidity or wet contamination. Methods of Application: Prewash additive. Spin diapers dry. Add product to prewash cycle. Wash as usual. Final rinse additive. Wash diapers and rinse. If recommended, dilute product dosage in 1 to 2 gallons of water. Add product to the wash wheel in the final rinse cycle or sour cycle as specified. Allow a minimum of 5 minutes running time. Re-treat fabric after each washing.
A23 A24	Sanitizer Bacteriostat	
	39-134 ppm quat (10%, 10.25% SC/L) or 736 ppm quat (50% SC/L)	Bacteriostatic treatment for diapers.

	Site, Efficacy, Dosage and Formulation	Use Directions
/87007HE	Diapers (Household)	

General Instructions for Use: Products registered in this site are for use on small loads of diapers for household use or general use. The product labels provide instructions for hand washing, use in small automatic machines, or dosages based on 10 pounds of dry fabric. The object of control of residual bacteriostats is to inhibit the growth of odor-causing and ammonia-producing bacteria (i.e. Brevibacterium ammoniagenes.) which act on urine in diapers. Residual antimicrobial activity is effective only under conditions of high relative humidity or wet contamination.

For Use: Do not pour product directly on diapers. Add product to water before immersing diapers.

Methods of Application:

1) Wash Water Additive:
a) Hand washing. Add product to wash water and add detergent if directed. Immerse diapers and allow them to remain in water for a minimum of 5 minutes while washing.
b) Automatic machine. Add product to wash water.

2) First rinse additive:
a) Hand washing. Squeeze suds from diapers. Prepare a dilute solution of product and soak diapers in solution for a minimum of 5 minutes. Rinse all trace of product from diaper with final rinse.
b) Automatic machine. No applications.

3) Final rinse additive:
a) Hand washing. Rinse all soap from diapers. Immerse diapers in dilute solution of product for 5 minutes.
b) Automatic machine. Add product to final rinse cycle.

A23 Sanitizer
A24 Bacteriostat

	49-78 ppm quat (7.5%, 10%, 10.25% SC/L) or 261 ppm quat (10% SC/L) or	Bacteriostatic treatment for diapers.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Diapers (Household) (continued)	
	389-775 ppm quat (5.4%, 10% SC/L)	
/870090A	Dust Mops, Dust Cloths, Dust Tool Covers	General Instructions for Use: The products registered in this site are for use on dust mops, dust cloths, dust tool covers, and dusters. Methods of Application: Immersion or spray. Products may (1) be ready-to-use liquids or (2) require dilution with water or oil to obtain the final use fluid for application. Articles are treated by immersing, soaking, pouring, or dipping in the treating fluid and wringing; or by spraying treating fluid from a dispenser. Allow articles to dry. Product directions may require a drying or curing period of 24 hours before use. Laundry wash wheel. Product is added to articles in industrial laundry wash wheel following final rinse or sour cycle. The quantity of product added is based on the dry weight of the articles being treated. Calculation of aqueous concentration of product as ppm quat acive ingredient is based on a 1:5 article weight to water weight ratio. After addition of product; run, exhaust, extract, and dry articles. Refer to product directions for specific instructions concerning water levels, temperatures, pH, and time duration for each step. For mops, product instructions may include applying product (1) uniformly over mophead or (2) on the center of the mophead only, avoiding application on the ends of the mop strands. After use, shake mop vigorously to remove soil. When excessively soiled, rinse or launder mopheads and retreat.
A24	Bacteriostat	
	400 ppm quat (0.8% EC) or 4,450 ppm quat (24.5% SC/L) or 2,800-5,000 ppm quat (0.28%, 0.5% RTU)	Bacteriostatic treatment for dust control articles.

Site, Efficacy, Dosage and Formulation | **Use Directions**

/87006HA
/87006HO

Laundry (Hospital, Commercial, and Institutional)

General Instructions for Use: The products registered in this site are for use in the treatment of laundry (i.e. washable fabrics such as clothing, linens, sheets, towels, blankets, uniforms, and bathing suits) in commercial, institutional, and medical establishments (i.e., schools, resturants, hotels, motels, athletic facilities, and hospitals).

Fabrics are treated in bulk or multifamily laundry loads. Commercial machines typically handle 50 to 100 pounds of fabric per load and have a lower fabric-to-water weight ratio (1:3 to 1:5) than home washing machines (1:10 to 1:15).

Do not pour bleach, quaternary ammonium compounds or other soluble concentrates directly on fabrics. Add to wash wheel after machine has filled with water or dilute product in a gallon of water and add this solution to laundry.

Methods of Application:

Presoak. Prepare product dilution. Immerse contaminated fabric in solution. Allow for a minimum of 10 minutes contact time. Wash fabric after soaking.

Prerinse additive. Spin fabric dry. Add product to wash wheel during prerinse cycle.

Wash water additive. Add product to wash water with or without detergent as directed. Rinse fabric following treatment.

First rinse additive. Wash fabric. Add product to first rinse water. Rinse fabric following treatment.

Final rinse additive. Wash fabric and rinse free of all detergent. Add product to final rinse water or sour cycle.

Spray. Products are pressurized sprays, or solutions to be used in low pressure or pump sprayers. Spray onto fabric until surface is moist. Allow to dry before use. Fabric is treated before use or between uses.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Laundry (Hospital, Commercial, and Institutional) (continued)	
A23	Sanitizer	
A24	Bacteriostat	
	39-81 ppm quat (10%, 25%, 50% SC/L) or 61 ppm quat (1.14% SC/S) or 104-248 ppm quat (2.38%, 3%, 8%, 10%, 10.25%, 20% SC/L) or 102-204 ppm quat (1.84%, 1.9% SC/S)	Bacteriostatic treatment for laundry.
A22	Disinfectant	
	340-565 ppm quat (2.21%, 3%, 3.67%, 5%, 6%, 10%, 80% SC/L)	Disinfection of laundry.
	769-1,540 ppm quat (5%, 5.4%, 7.5%, 10%, 10.25% SC/L)	Disinfection of heavily contaminated laundry.
/87006HE	Laundry (Household)	General Instructions for Use: The products registered in ths site are for use in the treatment of household laundry (i.e. clothing, linens, sheets, towels, and dish cloths). Do not pour quaternary ammonium compound products directly on fabric. Add product after machine has been filled with water. Methods of Application: Presoak. Prepare product dilution. Immerse contaminated fabric in solution. Allow for a minimum of 10 minutes contact time. Wash fabric after soaking. Wash water additive (machine or handwash). Add product to wash water. Rinse fabric following treatment.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Laundry (Household) (continued)	
		First rinse additive. Wash fabric. Add product to first rinse water. Rinse fabric following treatment.
		Final rinse additive (machine or handwash). Wash fabric and rinse free of all detergent. Add product to final rinse water or sour cycle.
		Spray application. Spray clean laundry before ironing.
A23	Sanitizer	
A24	Bacteriostat	
	65-66 ppm quat (10%, 15.2% SC/L) or 61 ppm quat (1.14% SC/S) or 130-248 ppm quat (2.38%, 10%, 10.25% SC/L) or 138-191 ppm quat (1.84%, 1.9% SC/S)	Bacteriostatic treatment for laundry.
A22	Disinfectant	
	389-538 ppm quat (3.5%, 5%, 10% SC/L)	Disinfection of laundry.
	775-1,540 ppm quat (5.4%, 10% SC/L)	Disinfection of heavily contaminated laundry.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Refuse)	
/890010A	Garbage Containers	General Instructions for Use: The products registered in this site are for use on garbage container surfaces. Clean and rinse surfaces prior to treatment. One-step disinfectant-cleaners and sanitizer-cleaners do not require a precleaning step. Dilute product as directed on label. Application is by wipe, mop, swab, wash, rinse, or spray. Observe required contact time.
A23	Sanitizer	
	195-218 ppm quat (5.6%, 10%, 10.41%, 56% SC/L)	Sanitization of precleaned surfaces.
	194-233 ppm quat (2.5%, 3%, 5%, 6%, 10% SC/L)	Sanitization and cleaning of surfaces.
A22	Disinfectant	
A2	Deodorizer	
A2	Virucide - effective against Influenza Type A2, Herpes simplex, Adenovirus Type 3 and Vaccinia viruses	
A29	Fungicide	
	445 ppm quat (1.47% EC) or 385-698 ppm quat (1.5%, 1.6%, 1.9%, 2.21%, 2.5%, 3%, 3.3%, 4%, 5%, 5.6%, 9%, 10%, 10.25%, 10.5%, 20%, 25%, 80% SC/L) or 5,800 ppm quat (0.58% RTU) or 4,000 ppm quat (0.4% PrL)	Disinfection of precleaned non-porous surfaces.

Site, Efficacy, Dosage and Formulation	Use Directions
Garbage Containers (continued)	
738-1,620 ppm quat (2%, 2.5%, 2.75%, 4%, 4.25%, 4.8%, 5%, 5.12%, 6.25%, 10%, 12.5%, 20%, 80% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces.
376-687 ppm quat (1%, 2.25%, 2.5%, 2.7%, 3%, 3.5%, 4%, 4.8%, 5%, 6%, 9.4%, 10% SC/L) or 1,000-3,840 ppm quat (0.1%, 0.384% PrL)	Disinfection and cleaning of non-porous surfaces.
725-1,370 ppm quat (1%, 1.5%, 1.52%, 3%, 3.5%, 4%, 4.25%, 5%, 6%, 10% SC/L)	Disinfection and cleaning of porous or heavily contaminated surfaces.

(Miscellaneous Indoor Uses)

/900060A **Cuspidors**

General Instructions for Use: The products registered in this site are for use on cuspidors.

1) Prior to application of products, remove surface debris with appropriate cleanser and scrub brush.
2) Apply product in specified dilution to deodorize, sanitize, and/or disinfect surfaces.
3) Allow residual dilution to remain in cuspidor.
4) Wherever indicated, rinse to remove excess product.

Code	Site, Efficacy, Dosage and Formulation	Use Directions
A23	Sanitizer	
	195-203 ppm quat (10%, 10.41% SC/L)	Sanitization of precleaned cuspidors.
A22 A24	Disinfectant Deodorizer	
	487 ppm quat (10% SC/L)	Disinfection of precleaned cuspidors.
	775 ppm quat (10% SC/L)	Disinfection of precleaned heavily contaminated cuspidors.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Cuspidors (continued)	
	800 ppm quat (2% SC/L)	Disinfection and cleaning of heavily contaminated cuspidors.
/970070A	Fabric Surfaces	
FYABQBB	Mold/mildew	
	775 ppm quat (10% SC/L)	Mold/mildew control on precleaned fabric surfaces. Apply as a spray or brush-wash. Also refer to (Processed or Manufactured products, and food or feed container or dispensers), Textiles, Fabrics and Fibers.
/970050A	Wood Surfaces (unfinished)	
FYABQBB	Mold/mildew	
	775 ppm quat (10% SC/L)	Mold/mildew control on precleaned unfinished wood surfaces. Apply as a brush-wash. Repeat at 3 week intervals.

&208.8202 8.82% formulation intermediate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
051033-00009

&250.0002 50% formulation intermediate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001677-00042 001839-00032 002823-00016 005185-00191
006836-00002 006836-00094 007085-00012 010324-00006
039288-00001 042943-00006 045396-00001 047371-00011
047371-00017

&250.0002 50% (4 lb/gal) formulation intermediate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
042943-00002

&280.0002 80% formulation intermediate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001448-00086 001839-00031 001839-00068 005185-00189
005185-00300 006836-00014 006836-00055 006836-00095
006836-00106 010324-00007 010324-00014 042943-00004
042943-00005 045396-00002 047371-00010 047371-00018

&280.0002 80% (6.4 lb/gal) formulation intermediate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
010324-00029

&005.0004 5% granular
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001203-00030

&024.0005 24% pelleted/tableted
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
003522-00012 003522-00013

&200.2512 0.25% emulsifiable concentrate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
004482-00010

&200.8012 0.8% emulsifiable concentrate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
004749-00006

Listing of Registered Pesticide Products by Formulation (continued)

&201.4712 1.47% emulsifiable concentrate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
003367-00077

&224.5012 24.5% emulsifiable concentrate
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
004749-00012

&001.1415 1.14% soluble concentrate/solid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
009152-00008

&001.8415 1.84% soluble concentrate/solid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
010254-00003

&001.9015 1.9% soluble concentrate/solid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000259-00047 001203-00038 001270-00161 001750-00046
011430-00001 018035-00006 030943-00012

&0[illegible] 5015 2.5% soluble concentrate/solid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
002678-00003 004204-00004

&005.0015 5% soluble concentrate/solid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000887-00016 000887-00022 007350-00015

&201.0015 1% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
003367-00096 003367-00097 006837-00037 008047-00024
008047-00039 043564-00001 051033-00040 052881-00002

&201.2515 1.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
008047-00015

&201.4015 1.4% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
006097-00001

&201.4715 1.47% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
051033-00011 051033-00022

&201.5015 1.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000861-00098 001124-00030 001124-00034 001124-00057
001251-00019 001266-00120 001266-00139 001266-00140
001266-00141 001266-00148 001750-00010 001989-00015
002311-00009 003040-00034 004000-00080 004462-00056
006125-00007 006836-00102 007616-00027 009115-00010
009342-00010 010693-00001 010807-00106 012264-00011
014955-00009 018305-00002 035143-00005 035925-00001
037265-00019 039163-00005 039185-00001 039790-00001
040883-00001 043579-00001 044092-00001 044543-00002
045302-00009

&201.5215 1.52% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001251-00010

&201.6015 1.6% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006097-00002 004000-00035 004822-00021 008325-00018
051033-00020

&201.6715 1.67% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
051033-00039

&201.9015 1.9% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
005075-00025

&202.0015 2% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001750-00043 001762-00011 001762-00012 001762-00013
001770-00022 004000-00031 006962-00016 008047-00025
008047-00040 008061-00003 009640-00036 051033-00019

&202.2015 2.2% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
008047-00016

&202.2115 2.21% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
010807-00094

&202.2515 2.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006322-00001

&202.3815 2.38% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
051033-00013

&202.4015 2.4% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
002881-00039

&202.5015 2.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000793-00008 001043-00080 001658-00016 001769-00338
003131-00011 003417-00007 004000-00043 004000-00050
004000-00064 005576-00007 005741-00019 005768-00010
008047-00014 008047-00026 008047-00041 010272-00003
030943-00013 037666-00005 037666-00006 045538-00001
045538-00004

&202.5215 2.52% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001937-00003

&202.6015 2.6% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006027-00001

&202.7015 2.7% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000777-00044 047371-00046

&202.7515 2.75% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
011853-00004

Listing of Registered Pesticide Products by Formulation (continued)

&202.8015 2.8% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000402-00093

&202.9415 2.94% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
051033-00008

&203.0015 3% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000052-00063 000052-00161 000337-00033 001816-00009
001816-00019 003507-00014 004330-00001 004482-00013
005991-00003 006294-00012 007701-00007 008370-00005
008370-00008 008428-00003 009429-00005 053263-00013

&203.0315 3.03% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001190-00040 001190-00044

&203.1015 3.1% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
009584-00012

&203.2015 3.2% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
005664-00013

&203.2515 3.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001658-00014 001658-00017

&203.3015 3.3% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
004313-00022 004313-00036 011294-00001

&203.4215 3.42% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006186-00039

&203.5015 3.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001169-00052 005741-00012 008325-00004

&203.6015 3.6% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
051033-00017

&203.6715 3.67% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
002038-00008

&203.8015 3.8% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001043-00064 001421-00078

&203.9015 3.9% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
004822-00097

&203.9615 3.96% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001750-00011

&204.0015 4% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001190-00037 001190-00042 001622-00047 001696-00047
001750-00011 004313-00056 009647-00013 009647-00014

&204.2515 4.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
006243-00003

&204.5015 4.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001677-00079 005741-00002

&204.7515 4.75% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
006243-00001

&204.8015 4.8% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000259-00049 000694-00016 000875-00091 001190-00041
001190-00043 001448-00068 001498-00012 001498-00014
002136-00023 003040-00032 003040-00033 003417-00022
005743-00004 006799-00007 006836-00100 007616-00022

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Listing of Registered Pesticide Products by Formulation (continued)

4.8% soluble concentrate/liquid (continued)

008727-00004 011760-00002 013275-00002 014955-00011
037265-00020 039163-00003 039412-00002 041280-00001
043321-00002 045302-00008 047634-00001

&205.0015 5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000039-00028 000150-00015 000257-00283 000707-00151
000713-00011 000784-00087 000784-00090 000784-00096
000830-00010 000833-00050 000833-00068 000954-00001
000984-00055 000984-00056 000992-00032 001015-00045
001094-00015 001251-00018 001307-00110 001382-00012
001448-00067 001448-00069 001553-00095 001606-00007
001696-00041 001696-00051 001712-00005 001712-00006
001778-00044 001799-00003 001989-00014 002212-00002
002311-00010 002881-00040 003300-00002 003417-00006
003417-00021 003640-00069 004462-00055 004482-00012
005366-00003 005736-00044 006125-00006 006186-00043
006190-00027 006720-00347 006762-00067 006830-00028
006836-00099 006885-00005 006962-00032 007616-00023
007726-00018 008291-00001 008428-00001 008626-00003
008828-00004 008866-00009 009115-00007 009468-00028
009594-00003 009931-00002 010190-00012 010320-00005
010320-00006 010320-00007 010600-00001 010623-00002
010634-00010 010775-00006 011522-00004 011613-00011
011712-00010 011760-00001 012144-00001 012189-00001
012798-00002 013275-00001 014799-00001 014799-00002
014799-00003 014819-00003 014895-00001 014955-00010
014955-00012 015599-00001 016454-00001 016529-00001
018033-00001 018305-00003 018442-00001 020176-00001
020177-00001 020965-00001 021144-00001 024909-00001
024909-00002 030943-00008 032258-00001 032690-00005
034224-00010 035143-00006 036837-00001 037666-00002
038542-00001 039099-00002 039163-00002 039163-00004
040883-00002 043508-00001 043508-00002 043508-00003
043508-00004 044132-00001 044543-00001 045302-00006
045302-00007 045538-00005 046870-00001 050416-00001

&205.0515 5.05% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
007701-00029

&205.1215 5.12% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000954-00011

Listing of Registered Pesticide Products by Formulation (continued)

&205 2015 5.2% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000151-00014 006831-00001 006962-00015

&205.4015 5.4% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001937-00010

&205.6015 5.6% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
002230-00047

&206.0015 6% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000259-00036 003837-00021

&206.2515 6.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000259-00053

&206.5015 6.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
009820-00001

&206.6615 6.66% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
008787-00001

&207.0015 7% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
003432-00025 006081-00003 007726-00005 008540-00003

&207.5015 7.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001537-00113 003682-00027

&208.0015 8% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006190-00016

&209.0015 **9% soluble concentrate/liquid**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)

001448-00066 001677-00021 004462-00057 006836-00105
014955-00006

&209.4015 **9.4% soluble concentrate/liquid**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)

005991-00016

&210.0015 **10% soluble concentrate/liquid**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)

000052-00242 000052-00245 000150-00023 000150-00028
000168-00488 000211-00004 000334-00302 000335-00184
000337-00045 000402-00008 000402-00049 000438-00055
000622-00015 000675-00030 000707-00085 000789-00004
000830-00024 000833-00070 000861-00062 000875-00081
001015-00044 001057-00070 001094-00003 001124-00047
001190-00024 001203-00014 001214-00012 001266-00051
001414-00001 001421-00135 001677-00043 001696-00022
001696-00046 001712-00004 001750-00033 001762-00005
001762-00020 001770-00014 001799-00010 001937-00004
002021-00018 002230-00016 002811-00002 002881-00020
002881-00052 002995-00005 003040-00037 003276-00021
003367-00089 003417-00003 003417-00020 003468-00016
003522-00014 003522-00015 003618-00005 003640-00017
003640-00024 003640-00025 003640-00032 003640-00033
003640-00056 003682-00012 003837-00005 004000-00051
004462-00030 004524-00016 004524-00024 004524-00031
004524-00045 005174-00018 005174-00019 005185-00223
005197-00014 005225-00001 005225-00003 005404-00024
005576-00027 005680-00020 005991-00001 005991-00009
006125-00053 006190-00026 006231-00003 006269-00001
006294-00011 006550-00009 006550-00013 006836-00058
006837-00042 006921-00002 007246-00011 007350-00009
007350-00012 007455-00001 007726-00002 007905-00036
007929-00001 008200-00012 008258-00006 008296-00001
008370-00007 008428-00002 008722-00001 008828-00001
008866-00005 008973-00001 009129-00002 009143-00078
009342-00001 009372-00005 009468-00030 009515-00002
009530-00003 009681-00007 009695-00001 009722-00003
009861-00006 009983-00002 010120-00012 010204-00010
010324-00025 010445-00044 010508-00004 010634-00008
010807-00130 010827-00007 011292-00007 011331-00001
011522-00001 012179-00015 012189-00003 012264-00006
012339-00002 012384-00001 013019-00016 013153-00001
014075-00001 016930-00001 018305-00004 018972-00001
021144-00002 023486-00033 024909-00004 030943-00010
032184-00005 033176-00034 033907-00001 034137-00004
034282-00006 034722-00001 034797-00037 034859-00004
036341-00001 036481-00001 037265-00040 037401-00022

10% soluble concentrate/liquid (continued)

037401-00023 037666-00001 039412-00003 039743-00009
041632-00018 042709-00001 042867-00001 043159-00005
043196-00002 043602-00013 044378-00001 044446-00036
045146-00005 045538-00002 045538-00006 046238-00001
047000-00029 047190-00001 047371-00032 048198-00001
048366-00001 048532-00002 048720-00001 048941-00001
049292-00003 049317-00002 050149-00001 050415-00010
050600-00002 051033-00032 051629-00003

&210.0015 10% (0.83 lb/gal) soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
005870-00005

&210.2415 10.24% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
047371-00038

&210.2515 10.25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000151-00011 000335-00175 000550-00053 000783-00010
001622-00034 001622-00041 006254-00001 006255-00001
009594-00001

&210.4115 10.41% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001317-00024

&210.5015 10.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006436-00001 006921-00002

&212.0015 12% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006551-00004

&212.5015 12.5% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000259-00004 001203-00040 009109-00001

&212.8015 12.8% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
002160-00003

Listing of Registered Pesticide Products by Formulation (continued)

&213.0015 13% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000052-00224

&215.0015 15% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
007299-00004

&215.2015 15.2% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
006718-00018

&215.3015 15.3% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001043-00046

&217.0015 17% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000944-00015 008654-00006

&217.4015 17.4% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
008701-00001

&220.0015 20% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
000875-00084 009468-00029 001072-00008

&225.0015 25% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
003682-00033 006142-00015 043410-00012

&240.0015 40% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
008866-00007 021144-00003

&244.0015 44% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
001885-00002 001885-00003

6250.0015 50% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000677-00334 000887-00032 048532-00001

6256.0015 56% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001770-00074

6257.0015 57% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
003522-00010

6280.0015 80% soluble concentrate/liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000707-00105 001457-00050 001457-00052 002823-00021
007294-00001 008932-00001

6200.0616 0.063% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
009647-00029

62[illegible]316 0.13% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000944-00016 010287-00001 010287-00003 014811-00001

6200.1316 0.133% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
008654-00002 008654-00003 009639-00017 009639-00018

6200.1416 0.135% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
020062-00001

6200.2016 0.2% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001730-00064

6200.2716 0.27% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
009640-00039

Listing of Registered Pesticide Products by Formulation (continued)

&200.2816 0.28% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
004000-00066

&200.3016 0.3% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
005185-00332 008931-00003 009741-00001 048941-00002
049292-00002

&200.3816 0.378% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
033275-00001

&200.4016 0.4% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
005813-00022

&200.5016 0.5% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001560-00009 001560-00011 002160-00001 004749-00010
004749-00011 004749-00013

&200.5816 0.58% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
011496-00002

&200.6016 0.6% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006551-00003

&200.8616 0.86% (0.0716 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
011712-00006

&201.0016 1% (0.083 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
003837-00029

&201.5016 1.5% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001124-00045

&201.7216 1.72% (0.1431 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
011712-00005

&202.0016 2% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
041399-00001

&202.5016 2.5% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
033275-00002

&203.4416 3.44% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
011712-00004

&204.0016 4% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
043022-00001

&204.8016 4.8% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
007547-00004

&205.0016 5% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
015127-00002 020177-00002 035905-00001 040823-00014

&205.4316 5.43% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
014886-00006

&206.0016 6% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
051624-00004

&207.0016 7% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
003876-00001

&209.0016 9% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001677-00066

&209.8816 9.88% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
014886-00002

&210.0016 10% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000150-00023 000334-00471 000438-00057 000486-00025
000694-00017 000842-00108 000861-00087 001015-00049
001258-00739 001696-00043 001762-00008 001989-00016
002217-00591 003367-00091 003432-00007 003618-00028
004000-00052 004000-00068 004313-00038 005136-00008
005197-00019 005197-00043 005568-00181 005576-00004
006125-00015 006190-00010 006381-00003 006799-00003
006837-00035 006900-00094 006962-00012 007616-00017
007998-00003 008258-00001 008550-00013 008637-00003
008938-00001 009429-00006 009442-00002 009594-00012
009683-00001 010120-00010 010183-00013 010332-00004
010369-00001 010634-00005 010634-00006 010663-00005
010807-00093 011328-00001 011463-00001 011528-00002
011564-00006 011611-00001 014941-00001 014947-00001
015127-00006 016116-00001 020622-00001 020851-00001
033016-00002 033821-00003 035572-00006 037265-00024
037594-00004 037648-00006 039412-00001 040916-00002
042373-00001 043351-00004 043410-00013 044282-00002
044543-00004 048759-00002 051033-00034

&210.0016 10% (0.793 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
012016-00004

&210.0016 10% (0.82 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
042762-00005

&210.0016 10% (0.824 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000694-00015 037265-00025 040823-00015 043351-00005

&210.0016 10% (0.825 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
009386-00014 010485-00015 032972-00005

Listing of Registered Pesticide Products by Formulation (continued)

&21[illegible]016 10% (0.828 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
011539-00001

&210.0016 10% (0.83 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
003837-00037 013900-00002 027581-00012 037346-00005

&210.0016 10% (0.84 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
006125-00014 035909-00002

&210.0016 10% (0.86 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
026884-00002

&210.2416 10.24% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
047371-00098

&2[illegible]0016 14% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
032177-00001

&216.0016 16% (1.31 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
043104-00003

&216.0016 16% (1.33 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12,
10% C16) (069105)
008133-00019

&216.5016 16.5% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
030943-00009

&220.0016 20% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14,
40% C12, 10% C16) (069105)
011564-00007 015127-00001

&222.0016 22% (1.83 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
007547-00003

&230.0016 30% (2.5 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
043410-00014

&240.0016 40% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001729-00085 001770-00079 007616-00015 010369-00002
040916-00001

&250.0016 50% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001299-00014 003432-00011 010183-00017 010369-00003
011463-00005 047371-00069

&250.0016 50% (3.93 lb/gal) liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
008133-00022

&280.0016 80% liquid-ready to use
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
006836-00098 007294-00003

&200.1019 0.1% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
037401-00026

&200.1519 0.15% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
007176-00006 009143-00009 009143-00045

&200.1519 0.156% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000259-00050

&200.2319 0.23% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
004000-00048

Listing of Registered Pesticide Products by Formulation (continued)

&200.3819 0.384% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000498-00062 010423-00008

&200.4019 0.4% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
000498-00060

&200.6319 0.63% pressurized liquid
alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)
001266-00130

9999999 State Label Registrations

AZ Reg. No.
009115-03073 012242-09211 012261-08237 012261-08238
026494-05597 026494-08658

CA Reg. No.
000962-07464 001803-04424 001803-04425 002935-06582
006269-04766 006809-04909 007601-03285 008707-10091
008707-10092 009584-04065 009829-03186 009829-03187
009829-03188 010637-05836 010691-08834 010693-04421
010845-10079 011113-06909 011113-06910 011113-06911
011133-09210 011369-08808 011399-04922 014572-05197
024909-04740 026124-08256 026124-08257 026124-08258
026124-08259 035574-08345 035576-09523 037802-08400
037852-08309 037926-09460 037930-09487

FL Reg. No.
004450-03308 005302-05459 007448-08024 010757-07426
011589-07397 011853-10355 012226-07302 012226-07305
012226-07308 012226-07311 012661-10534 012661-10544
012706-09060 013366-03925 024310-03938 024310-08125
035228-03216 035228-09335 035228-09336 035228-09337
035228-09338

GA Reg. No.
001989-03311 001989-03312 001989-03314

HI Reg. No.
003579-10538 003579-10545 003579-10569 003579-10570
012384-08106 012384-08450 012384-08452 012384-08460

KY Reg. No.
019374-10566

Listing of Registered Pesticide Products by Formulation (continued)

LA Reg. No.
012307-09332 014107-09341

MI Reg. No.
001560-08665 001560-08667 013730-05977

MO Reg. No.
037807-08374 037807-08375 037807-08378

NJ Reg. No.
013208-10385 13208-10393

NY Reg. No.
032970-04318 032970-04319

OH Reg. No.
013153-03492

OK Reg. No.
031310-08594

TX Reg. No.
008713-03703 008713-03704 011790-03140

ALKYL*DIMETHYL BENZYL AMMONIUM CHLORIDE**
*ALKYL (50% C14, 40% C12, 10% C16)
and
OTHER ACTIVE INGREDIENTS

TYPE PESTICIDE: Antimicrobial, Algaecide, and Fungicide

FORMULATIONS:
FI (16%, 20%, 32%, 38%, 39.29%, 73%)
G (15%)
P/T (0.5%)
Impr (0.24%, 7.11%)
SC/S (1.2%, 2.4%, 2.64%)
SC/L (0.02%, 0.3%, 0.562%, 0.62%, 0.72%, 0.75%, 0.76%, 1%, 1.024%, 1.12%, 1.248%, 1.3%, 1.5%, 1.52%, 1.58%, 1.6%, 1.9%, 2%, 2.2%, 2.3%, 2.33%, 2.5%, 2.8%, 3%, 3.06%, 3.07%, 3.42%, 4%, 4.34%, 4.375%, 4.4%, 5%, 5.5%, 6.14%, 6.5%, 7%, 8%, 8.68%, 10%, 11%, 20%, 21%, 26%, 26.34%, 32%)
RTU (0.01%, 0.02%, 0.024%, 0.034%, 0.05%, 0.0562%, 0.07%, 0.084%, 0.1%, 0.15%, 0.16%, 0.2%, 0.24%, 0.25%, 0.26%, 0.264%, 0.27%, 0.296%, 0.42%, 0.5%, 0.562%, 0.75%, 0.8%, 0.93%, 0.98%, 1%, 1.2%, 1.25%, 1.27%, 1.4%, 1.5%, 2%, 2.32%, 2.6%, 4%, 5%, 5.1%, 5.2%, 5.3%, 6%, 8%, 10%, 12.5%, 15%, 15.2%, 16%, 20%, 25%)
PrL (0.02%, 0.1%, 0.17%, 0.2%, 0.25%, 0.33%, 0.4%, 0.5%, 0.55%)

PRESENTATION OF INFORMATION: See V.1-069105 for Presentation of Information.

GENERAL WARNINGS AND LIMITATIONS: See V.1-069105 for General Warnings and Limitations.

**Hyamine 3500

Site, Efficacy, Dosage and Formulation	Use Directions

AQUATIC NON-FOOD

(Aquatic Sites)

General Warnings and Limitations: See V.1-069105 for General Warnings and Limitations.

/65005MA-2 Brewery Pasteurizer Water

General Instructions for Use: See Brewery Pasteurizer Water V.1-069105 for specific site descriptions and general use instructions.

A28	Microbicide/microbistat
DBABAAA	Slime-forming bacteria
FYAFQBB	Slime-forming fungi
PKAAAAA	Algae

Continuous or Intermittent Feed Treatment.

1-9 ppm quat 10-73 ppm (5% RTU)	Initial treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
7-37 ppm quat 10-48 ppm (15.2% RTU)	Initial treatment. Apply 6.4 to 32 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.
1-6 ppm quat 10-49 ppm (5% RTU)	Subsequent treatment. Apply 3.2 to 16 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
4-27 ppm quat 5-36 ppm (15.2% RTU)	Subsequent treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.

	Site, Efficacy, Dosage and Formulation	Use Directions
/65[illegible]MA	Commercial and Industrial Water Cooling Towers and Evaporative Condensers	
		General Instructions for Use: See Commercial and Industrial Water Cooling Towers and Evaporative Condensers V.1-069105 for specific site descriptions and general use instructions.
A28	Microbicide/microbistat	
DBABAAA	Slime-forming bacteria	
FYAFQBB	Slime-forming fungi	
PKAAAAA	Algae	
		Continuous Feed Treatment.
	1-9 ppm quat 10-73 ppm (5% RTU)	Initial treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
	9-19 ppm quat 2-3 ppm (12.5% RTU)	Initial treatment. Apply 9.7 to 19.3 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	7-37 ppm quat 10-48 ppm (15.2% RTU)	Initial treatment. Apply 6.4 to 32 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.
	10 ppm quat 2 ppm (16% RTU)	Initial treatment. Apply 8 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	30-51 ppm quat 4-7 ppm (20% RTU)	Initial treatment. Apply 19.4 to 32.4 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	1-6 ppm quat 10-49 ppm (5% RTU)	Subsequent treatment. Apply 3.2 to 16 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
	6-13 ppm quat 1-2 ppm (12.5% RTU)	Subsequent treatment. Apply 6.4 to 12.9 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.

Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)

Site, Efficacy, Dosage and Formulation	Use Directions
4-29 ppm quat 5-36 ppm (15.2% RTU)	Subsequent treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.
5 ppm quat 0.8 ppm (16% RTU)	Subsequent treatment. Apply 4 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
8-24 ppm quat 1-3 ppm (20% RTU)	Subsequent treatment. Apply 5.2 to 15.6 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	Intermittent Feed Treatment.
7-9 ppm quat 11-14 ppm quat (10% SC/L)	Initial treatment. Apply 9 to 12 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
9-14 ppm quat 14-21 ppm quat (20% SC/L) (20% RTU)	Initial treatment. Apply 6 to 9 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
9.4-14 ppm quat 14-21 ppm quat (20% SC/L)	Initial treatment. Apply 6 to 9 fluid ounces of product per 1,000 gallons of water. Repeat at 7 day intervals or as needed. Formulated with didecyl dimethyl ammonium chloride.
8-15 ppm quat 12-23 ppm quat (32% SC/L)	Initial treatment. Apply 3.2 to 6 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
10-15 ppm quat 15-23 ppm quat (32% SC/L)	Initial treatment. Apply 4 to 6 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
3-6 ppm quat 37-74 ppm (1.27% RTU)	Initial treatment. Apply 32 to 64 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
14 ppm quat 99 ppm (1.4% RTU)	Initial treatment. Apply 128 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
2-4 ppm quat 18-36 ppm quat (2% RTU)	Initial treatment. Apply 12.8 to 25.6 fluid ounces of product per 1,000 gallons of water. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (50% C12, 30% C14, 17% C16, 3% C18).
0.6-6 ppm quat 2-18 ppm (5% RTU)	Initial treatment. Apply 1.6 to 16 ounces of product (by weight) per 1,000 gallons of water. Formulated with copper sulfate anhydrous.
3-6 ppm quat 6-12 ppm (5% RTU)	Initial treatment. Apply 7.7 to 15.4 fluid ounces of product per 1,000 gallons of water. Formulated with copper sulfate anhydrous.
13 ppm quat 52 ppm (5% RTU)	Initial treatment. Apply 32 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
1-9 ppm quat 10-73 ppm (5% RTU)	Initial treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
5-11 ppm quat 2-4 ppm (5.3% RTU)	Initial treatment. Apply 12.8 to 25.6 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
9-19 ppm quat 2-3 ppm (12.5% RTU)	Initial treatment. Apply 9.7 to 19.3 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
8-38 ppm quat 10-48 ppm (15.2% RTU)	Initial treatment. Apply 6.4 to 32 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
2-38 ppm quat 2-48 ppm (15.2% RTU)	Initial treatment. Apply 1.6 to 32 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone and dodecyl quanidine hydrochloride.
10 ppm quat 2 ppm (16% RTU)	Initial treatment. Apply 8 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
12-18 ppm quat 2-4 ppm (20% RTU)	Initial treatment. Apply 7.8 to 11.6 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
30-51 ppm quat 4-7 ppm (20% RTU)	Initial treatment. Apply 19.4 to 32.4 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
31-63 ppm quat 6-12 ppm (25% RTU)	Initial treatment. Apply 16 to 32 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
3-5 ppm quat 5-7 ppm quat (10% SC/L)	Subsequent treatment. Apply 4 to 6 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
3-5 ppm quat 5-7 ppm quat (20% SC/L) (20% RTU)	Subsequent treatment. Apply 2 to 3 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
3.1-4.7 ppm quat 4.7-7 ppm quat (20% SC/L)	Subsequent treatment. Apply 2 to 3 fluid ounces of product per 1,000 gallons of water. Repeat at 7 day intervals or as needed. Formulated with didecyl dimethyl ammonium chloride.
3-5 ppm quat 4-8 ppm quat (32% SC/L)	Subsequent treatment. Apply 1 to 2 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)

Site, Efficacy, Dosage and Formulation	Use Directions
2-3 ppm quat 19-37 ppm (1.27% RTU)	Subsequent treatment. Apply 16 to 32 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
7 ppm quat 50 ppm (1.4% RTU)	Subsequent treatment. Apply 64 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
0.8-1.5 ppm quat 7.2-13 ppm quat (2% RTU)	Subsequent treatment. Apply 5.1 to 9.6 fluid ounces of product per 1,000 gallons of water every 2 to 5 days or as needed to maintain control. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (50% C12, 30% C14, 17% C16, 3% C18).
0.6-6 ppm quat 1-12 ppm (5% RTU)	Subsequent treatment. Apply 1.5 to 15.4 fluid ounces of product per 1,000 gallons of water. Formulated with copper sulfate anhydrous.
6 ppm quat 26 ppm (5% RTU)	Subsequent treatment. Apply 16 fluid ounces of product per 1,000 gallons of water. Formulated with sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
1-6 ppm quat 10-49 ppm (5% RTU)	Subsequent treatment. Apply 3.2 to 16 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
2-3 ppm quat 0.8-1 ppm (5.3% RTU)	Subsequent treatment. Apply 5.1 to 8.3 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
6-13 ppm quat 1-2 ppm (12.5% RTU)	Subsequent treatment. Apply 6.4 to 12.9 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.

Site, Efficacy, Dosage and Formulation	Use Directions
Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
4-29 ppm quat 5-36 ppm (15.2% RTU)	Subsequent treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.
5 ppm quat 0.8 ppm (16% RTU)	Subsequent treatment. Apply 4 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
6-12 ppm quat 1-2 ppm (20% RTU)	Subsequent treatment. Apply 3.9 to 7.8 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
8-24 ppm quat 1-3 ppm (20% RTU)	Subsequent treatment. Apply 5.2 to 15.6 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
2-6 ppm quat 0.4-1 ppm (25% RTU)	Subsequent treatment. Apply 1 to 3 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
23-39 ppm quat 5-8 ppm (25% RTU)	Subsequent treatment. Apply 12 to 20 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	Slug Feed Treatment.
3.3-6.5 ppm quat 3.1-6.2 ppm quat 8.7-17 ppm (2.6% RTU)	Initial treatment. Use 16 to 32 fluid ounces of product per 1,000 gallons of system water. Apply 1 to 3 times per week or as needed. Formulated with dehydroabietylamine acetate, dehydroabietylamine-ethylene oxide condensate, alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16. 5% C12, 5% C18), dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride, and bis(tributyltin) oxide.
3.3-6.5 ppm quat 3.1-6.2 ppm quat 8.7-17 ppm (5.2% RTU)	Initial treatment. Use 8 to 16 fluid ounces of product per 1,000 gallons of system water. Apply 1 to 3 times per week or as needed. Formulated with dehydroabietylamine acetate, dehydroabietylamine-ethylene oxide condensate, alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18), dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride, and bis(tributyltin) oxide.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial and Industrial Water Cooling Towers and Evaporative Condensers (continued)	
	1.6 ppm quat 1.6 ppm quat 4.3 ppm (2.6% RTU)	Subsequent treatment. Use 8 fluid ounces of product per 1,000 gallons of system water. Apply daily or every other day. Formulated with dehydroabietylamine acetate, dehydroabietylamine-ethylene oxide condensate, alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18), dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride, and bis(tributyltin) oxide.
	1.6 ppm quat 1.6 ppm quat 4.3 ppm (5.2% RTU)	Subsequent treatment. Use 4 fluid ounces of product per 1,000 gallons of system water. Apply daily or every other day. Formulated with dehydroabietylamine acetate, dehydroabietylamine-ethylene oxide condensate, alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18), dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride, and bis(tributyltin) oxide.
/65028MA	**Heat Exchanger Water**	**General Instructions for Use:** See Heat Exchanger Water V.1-069105 for specific site descriptions and general use instructions.
A28	Microbicide/microbistat	
A31	Fungicide	
DBABAAA	Slime-forming bacteria	
FYAFQBB	Slime-forming fungi	
PKAAAAA	Algae	
		Continuous or Intermittent Feed Treatment.
	1-9 ppm quat 10-73 ppm (5% RTU)	Initial treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
	20 ppm quat 5 ppm (8% RTU)	Initial treatment. Apply 32 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	7-37 ppm quat 10-48 ppm (15.2% RTU)	Initial treatment. Apply 6.4 to 32 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Heat Exchanger Water (continued)	
	1-6 ppm quat 10-49 ppm (5% RTU)	Subsequent treatment. Apply 3.2 to 16 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
	10-20 ppm quat 3-5 ppm (8% RTU)	Subsequent treatment. Apply 16 to 32 fluid ounces of product per 1,000 gallons of water. Formulated with bis(tributyltin) oxide.
	4-27 ppm quat 5-36 ppm (15.2% RTU)	Subsequent treatment. Apply 3.2 to 24 ounces of product (by weight) per 1,000 gallons of water. Formulated with bis(trichloromethyl) sulfone.
/65017MA	**Humidifier Water**	General Instructions for Use: The products registered in this site are intended to control the growth of slime-forming bacteria and algae in console type (manually filled) humidifiers which impair the efficiency of the system.
A28 DBABAAA PKAAAAA	Microbicide/microbistat Slime-forming bacteria Algae	
		Intermittent Feed Treatment.
	2.4 ppm quat 3.5 ppm quat (0.0562% RTU)	Apply 0.54 fluid ounces of product per gallon of water. When refilling, repeat dosage for every additional gallon of water added. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	12 ppm quat 18 ppm quat (0.562% RTU)	Apply 0.27 fluid ounces of product per gallon of water. When refilling, repeat dosage for every additional gallon of water added. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

Site, Efficacy, Dosage and Formulation — Use Directions

/65 Pulp and Paper Mill Systems

General Instructions for Use: The products registered for this site are intended to control the growth of slime-forming bacteria and fungi. The object of control is to stabilize the population at a level that will not interfere with system efficiency or product.
Concentrations and dosage rates are on a dry weight basis with the concentrations calculated in ppm active ingredient and the dosage rates expressed as pounds of product per short ton of pulp or paper produced (or pounds per 1,000 gallons for the additive system).

Product is added to the white water system or stock furnish of the pulp and paper mill. Treatment of the white water or stock system may be supplemented by treatment of the fresh water, slush pulp, secondary fiber (recycled waste paper), or broke. Treatment recommendations will vary depending of the type, location, and degree of microbial contamination. The amount of product actually required is best determined by actual test in the system.

Method of application may be slug, intermittent, or continuous.

Slug method - Treatment involves addition of a specified dose to the system at 1 time. Treatment may be repeated at intervals, usually once a day or less frequently.

Intermittent method - Treatment is on a semi-continuous basis providing a continuous dosage for a brief period repeated at stated intervals.

Continuous method - Treatment is on a uninterrupted basis to provide a sustained concentration.

Products may be fed by drip-feed device, measuring container, or suitable chemical pump such as proportioning, variable speed positive displacement, or reciprocating types. Manual addition may also be used. Products should be fed at a point in the system where they will be uniformly mixed and evenly distributed. Heavily fouled systems must be cleaned prior to initial treatment.

Products to be used in the manufacture of paper and paperboard intended to contact food must comply with the regulations of the Food and Drug Adminis-

	Site, Efficacy, Dosage and Formulation	Use Directions
	Pulp and Paper Mill Systems (continued)	
		tration under Title 21, Code of Federal Regulations, section 176.300.
A28 DBABAAA FYAFQBB	Microbicide/microbistat Slime-forming bacteria Slime-forming fungi	
		Intermittent or Slug Feed Treatment.
	3-40 ppm quat 27-362 ppm (4% RTU)	Apply 0.15 to 2.0 pounds of product per ton of pulp or paper produced. Apply on an intermittent basis to either the high density stock system or the dilute furnish of the mill system. Formulated with sodium pentachlorophenate and sodium 2,4,5-trichlorophenate.
	0.6-2 ppm quat 2-7 ppm (5% RTU)	Apply 12 to 48 ppm of product. Add directly to the mill system or to the fresh water added to the mill system. Formulated with copper sulfate.
	8-50 ppm quat 61-407 ppm (5% RTU)	Apply 0.3 to 2.0 pounds of product per ton of pulp or paper produced. Add directly to the mill system. Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate, and 2,4,6-trichlorophenol, sodium salt.
	5-15 ppm quat 5-15 ppm (10% RTU)	Apply 0.1 to 0.3 pound of product per ton of pulp or paper produced. Add to the pulp or stock. Formulated with beta-bromo-beta nitrostyrene.
	15-76 ppm quat 20-100 ppm (15% RTU)	Apply 0.2 to 1.0 pound of product per ton of pulp or paper produced. Add to the pulp or stock. Formulated with bis(trichloromethyl) sulfone.
	8-63 ppm quat 61-508 ppm or Additive system: 3-24 ppm quat 24-196 ppm (5% RTU)	Initial treatment. Apply 0.3 to 2.5 pounds of product per ton of pulp or paper produced. For the additive system, apply 0.5 to 4.0 pounds of product per 1,000 gallons (60 to 480 ppm). Formulated with sodium dimethyldithiocarbabmate, sodium pentachlorophenate, and sodium 2,4,5-trichlorophenate.

Site, Efficacy, Dosage and Formulation	Use Directions
Pulp and Paper Mill Systems (continued)	
15-76 ppm quat 20-100 ppm or Additive system: 9-18 ppm quat 13-25 ppm (15.2% RTU)	Initial treatment. Apply 0.2 to 1.0 pound of product per ton of pulp or paper produced. For the additive system, apply 0.5 to 1.0 pound of product per 1,000 gallons (60 to 120 ppm). Formulated with bis(trichloromethyl) sulfone.
8-50 ppm quat 61-407 ppm or Additive system: 2-12 ppm quat 15-98 ppm (5% RTU)	Subsequent treatment. Apply 0.3 to 2.0 pounds of product per ton of pulp or paper produced. For the additive system, apply 0.3 to 2.0 pounds per 1,000 gallons (36 to 240 ppm). Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate, and sodium 2,4,5-trichlorophenate.
8-57 ppm quat 10-75 ppm or Additive system: 4-9 ppm quat 5-12 ppm (15.2% RTU)	Subsequent treatment. Apply 0.1 to 0.75 pound of product per ton of pulp or paper produced. For the additive system, apply 0.2 to 0.5 pound of product per 1,000 gallons (24 to 60 ppm). Formulated with bis(trichloromethyl) sulfone.
	Continuous Feed Method.
8-63 ppm quat 61-508 ppm or Additive system: 3-24 ppm quat 25-196 ppm (5% RTU)	Initial treatment. Apply 0.3 to 2.5 pounds of product per ton of pulp or paper produced. For the additive system, apply 0.5 to 4.0 pounds of product per 1,000 gallons (60 to 480 ppm). Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate, and sodium 2,4,5-trichlorophenate.
15-76 ppm quat 20-100 ppm or Additive system: 9-18 ppm quat 12-25 ppm (15.2% RTU)	Initial treatment. Apply 0.2 to 1.0 pound of product per ton of pulp or paper produced. For the additive system, apply 0.5 to 1.0 pound of product per 1,000 gallons (60 to 12 ppm). Formulated with bis(trichloromethyl) sulfone.
8-50 ppm quat 61-407 ppm or Additive system: 2-12 ppm quat 15-98 ppm (5% RTU)	Subsequent treatment. Apply 0.3 to 2.0 pounds of product per ton of pulp or paper produced. For the additive system, apply 0.3 to 2.0 pounds of product per 1,000 gallons (36 to 240 ppm). Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate, and sodium 2,4,5-trichlorophenate.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Pulp and Paper Mill Systems (continued)	
	15-57 ppm quat 20-75 ppm or Additive system: 4-18 ppm quat 5-24 ppm (15.2% RTU)	Subsequent treatment. Apply 0.2 to 0.75 pound of product per ton of pulp or paper produced. For the additive system, apply 0.2 to 1.0 pound of product per 1,000 gallons (24 to 120 ppm). Formulated with bis(trichloromethyl) sulfone.
/65025MA	Secondary Oil Recovery Systems	
		General Instructions for Use: See Secondary Oil Recovery Systems V.1-069105 for specific site descriptions and general use instructions.
A28	Microbicide/microbistat	
DBABAAA	Slime-forming bacteria	
FYAFQBB	Slime-forming fungi	
PKAAAAA	Algae	
		Continuous Feed Treatment.
	2.3-4.8 ppm quat 3.5-7.1 ppm quat (10% SC/L)	Apply 3 to 6.1 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	1.6-4.7 ppm quat 2.3-7 ppm quat (20% SC/L)	Apply 1.52 to 3 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	2.4-4.7 ppm quat 3.6-7 ppm quat (20% SC/L)	Apply 1.52 to 3 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride.
	3.8-8 ppm quat 5.7-12 ppm quat (32% SC/L)	Apply 1.52 to 3.2 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	2.6-5.1 ppm quat 3.8-7.6 ppm quat (32% SC/L)	Apply 1.02 to 2.03 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

Site, Efficacy, Dosage and Formulation	Use Directions
Secondary Oil Recovery Systems (continued)	
1.9-3.8 ppm quat 2.9-5.8 ppm quat (20% RTU)	Apply 1.2 to 1.9 fluid ounces of product per 1,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	Intermittent Feed Treatment.
2.3-9.5 ppm quat 3.5-14 ppm quat (10% SC/L)	Apply 3 to 12.2 fluid ounces of product per 1,000 gallons of water for 4 to 8 hours per day, 1 to 4 days per week as needed to maintain control. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
2.4-9.5 ppm quat 3.6-14 ppm quat (20% SC/L)	Apply 1.52 to 6.1 fluid ounces of product per 1,000 gallons of water for 4 to 8 hours per day, 1 to 4 days per week as needed to maintain control. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
2.4-9.5 ppm quat 3.6-14 ppm quat (20% SC/L)	Apply 1.52 to 6.1 fluid ounces of product per 1,000 gallons of water for 4 to 8 hours per day, 1 to 4 times a week as needed to maintain control. Formulated with didecyl dimethyl ammonium chloride.
8-24 ppm quat 12-36 ppm quat (32% SC/L)	Apply 3.2 to 9.6 fluid ounces of product per 1,000 gallons of water for 4 to 8 hours per day, 1 to 4 days per week as needed to maintain control. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
1.9-7.7 ppm quat 2.9-12 ppm quat (20% RTU)	Apply 1.2 to 3.8 fluid ounces of product per 1,000 gallons of water for 4 to 8 hours per day, 1 to 4 days per week as needed to maintain control. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Secondary Oil Recovery Systems (continued)	
		Continuous or Intermittent Feed Treatment.
	2-17 ppm quat 14-139 ppm (5% RTU)	Initial treatment. Apply 4.53 to 45.3 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
	0.5-9 ppm quat 4-69 ppm (5% RTU)	Subsequent treatment. Apply 1.36 to 22.65 ounces of product (by weight) per 1,000 gallons of water. Formulated with sodium dimethyl dithiocarbamate; sodium pentachlorophenate and sodium salts of other chlorophenols; and 2,4,5-trichlorophenol, sodium salt.
/65011MB-2	Swimming Pool Related Surfaces, Shower Rooms and Locker Rooms	
		General Instructions for Use: See Swimming Pool Related Surfaces, Shower Rooms and Locker Rooms V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
A22 A29	Disinfectant Fungicide	
	146 ppm quat 146 ppm quat (2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A22 A24 A29	Disinfectant Deodorizer Fungicide	
	200 ppm quat 277 ppm quat (1.3% SC/L) or 240 ppm quat 360 ppm quat (0.024% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Swimming Pool Related Surfaces, Shower Rooms and Locker Rooms (continued)	
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A29	Fungicide	
	1,000-5,000 ppm quat 22,200-300,000 ppm (0.75% SC/L) (0.1%, 0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with phosphoric acid.
	2,500 ppm quat 46,400 ppm (1% RTU)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride and phosphoric acid.
	2,080 ppm quat 16,900 ppm (1.25% RTU)	Disinfection and cleaning of surfaces. Formulated with phosphoric acid.
	4,000 ppm quat 60,000 ppm (0.4% PrL)	Disinfection of precleaned surfaces. Formulated with triethylene glycol.
A1	Pseudomonacide	
A2	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
PKAAAAA	Algae	
	156 ppm quat 234 ppm quat (20% SC/L)	Apply 0.5 fluid ounce of product per 5 gallons of water. Formulated with didecyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
/65011MA	Swimming Pool Water	General Instructions for Use: See Swimming Pool Water V.1-069105 for specific site descriptions and general use instructions.
PKAAAAA	Algae	
		Initial Treatment.
	0.3 ppm quat 0.7 ppm quat (15% G)	Initial treatment. Apply 2.78 ounces (by weight) per 10,000 gallons of water. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (93% C14, 4% C12, 3% C16).
	0.8 ppm quat 1.2 ppm quat (20% SC/L)	Initial treatment. Apply 5 fluid ounces of product per 10,000 gallons of water. Formulated with didecyl dimethyl ammonium chloride.
	2 ppm quat 0.3 ppm (26%, 26.34% SC/L)	Initial treatment. Apply 12 fluid ounces of product per 10,000 gallons of water. Formulated with copper (triethanolamine complex).
	0.5 ppm quat 0.2 ppm (5.1% RTU)	Initial treatment. Apply 12.8 fluid ounces of product per 10,000 gallons of water. Formulated with copper sulfate anhydrous.
		Subsequent Treatment.
	0.3 ppm quat 0.7 ppm quat (15% G)	Subsequent treatment. Apply 2.78 ounces (by weight) per 10,000 gallons of water. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (93% C14, 4% C12, 3% C16).
	0.2 ppm quat 0.4 ppm quat (20% SC/L)	Subsequent treatment. Apply 1.5 fluid ounces of product per 10,000 gallons of water. Repeat at 5 day intervals during hot weather or heavy bather load. Formulated with didecyl dimethyl ammonium chloride.
	1 ppm quat 0.1 ppm (26%, 26.34% SC/L)	Subsequent treatment. Apply 6 fluid ounces of product per 10,000 gallons of water. Formulated with copper (from triethanolamine complex).
	0.1 ppm quat 0.06 ppm (5.1% RTU)	Subsequent treatment. Apply 3.2 fluid ounces of product per 10,000 gallons of water. Formulated with copper sulfate anhydrous.

Site, Efficacy, Dosage and Formulation	Use Directions
Swimming Pool Water (continued)	
	Shock Treatment.
0.8 ppm quat 1.8 ppm quat (15% G)	Shock treatment. Apply 6.95 ounces (by weight) per 10,000 gallons of water when algae are present in the pool. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (93% C14, 4% C12, 3% C16).
0.8 ppm quat 1.2 ppm quat (20% SC/L)	Shock treatment. Apply 5 fluid ounces of product per 10,000 gallons of water after heavy rains or severe storms. Formulated with didecyl dimethyl ammonium chloride.
	Winterization Treatment.
4 ppm quat 4 ppm (10% RTU)	Winterization treatment. Apply 51.2 fluid ounces of product per 10,000 gallons of water. For summer start-up apply one-half the dosage. Formulated with copper sulfate anhydrous.

INDOOR

(Pets and Domestic Animals)
(Animals and their Man-made Premises)

/54000JA-1	Kennels and Pet Animal Quarters	
		General Instructions for Use: See Kennels and Pet Animal Quarters V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	62 ppm quat 93 ppm quat (2.2% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	62 ppm quat 92 ppm quat (8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Kennels and Pet Animal Quarters (continued)	
A22	Disinfectant	
A24	Deodorizer	
	385-882 ppm quat 385-588 ppm quat (1.5%, 2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	388 ppm quat 194 ppm (5% SC/L)	Disinfection and cleaning of surfaces. Formulated with pine oil.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2 virus	
A29	Fungicide	
	103-124 ppm quat 155-186 ppm quat (1.5%, 1.6%, 3%, 4%, 8%, 10%, 20% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	124 ppm quat 186 ppm quat (1.6% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	246-338 ppm quat 354-507 ppm quat (1.6%, 2.2%, 2.8%, 8.68%, SC/L) or 240 ppm quat 360 ppm quat (0.024% RTU)	Disinfection and cleaining of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	200 ppm quat 800 ppm quat (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of precleaned surfaces. Formulated with o-phenylphenol.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Kennels and Pet Animal Quarters (continued)	
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
FYABQBB	Mold/mildew	
	354-428 pm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
FYABQBB	Mold/mildew	
	124-338 ppm quat 186-507 ppm quat (1.6%, 2.2%, 4.34%, 8.68% SC/L) or 240 ppm quat 360 ppm quat (0.024% RTU)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
/5[illegible]A	**Zoo Premises and Equipment**	
		General Instructions for Use: See Kennels and Pet Animal Quarters V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	63 ppm quat 93 ppm quat (1.6% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A22	Disinfectant	
A24	Deodorizer	
FYABQBB	Mold/mildew	
	246 ppm quat 369 ppm quat (1.6% SC/L)	Disinfection, cleaning, and mold/mildew control on non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Agricultural Premises and Equipment)	
/580040A	Commercial Egg Treatment	General Instructions for Use: See Commercial Egg Treatment V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	58 ppm quat 88 ppm quat (3% SC/L)	Sanitization of precleaned eggs. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
/60005JE-2	Dairy Equipment (Unspecified)	General Instructions for Use: See Dairy Equipment (Unspecified) V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	58-62 ppm quat 88-94 ppm quat (3%, 3.06%, 4%, 8%, 20% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	195 ppm quat 350-1,560 ppm (5%, 10% SC/L)	Sanitization of precleaned surfaces. Formulated with phosphoric acid.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Dairy Equipment (Unspecified) (continued)	
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
FYABQBB	Mold/mildew	
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
/60005JE	Dairy Farm Milking Equipment	
		General Instructions for Use: See Dairy Farm Milking Equipment V.1-069105 for specific site descriptions and general use instructions.
A29	Sanitizer	
	543 ppm quat 1,890 ppm (7% SC/L)	Sanitization of precleaned surfaces. Formulated with glycolic acid and phosphoric acid.
	178 ppm quat 508 ppm (8% SC/L)	Sanitization of precleaned surfaces. Formulated with phosphoric acid.
/55000GA /55000JA	Poultry House Premises and Equipment	
		General Instructions for Use: See Poultry House Premises and Equipment V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
A24	Deodorizer	
	104 ppm quat 156 ppm quat (3%, 8%, 10%, 20% SC/L) or 109 ppm quat 164 ppm quat (4% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Household)	
/630000A	Household Premises and Contents	
		General Instructions for Use: See Household Premises and Contents V.1-069105 for specific site descriptions and general use instructions.
A22 A24	Disinfectant Deodorizer	
	194 ppm quat 194 ppm quat (2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	385 ppm quat 385 ppm quat (2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A18 A22 A24 A25 A29 FYABQBB	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza Type A2 virus Fungicide Mold/mildew	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	2,500 ppm quat 2,000 ppm (0.25 PrL)	Disinfection of precleaned surfaces. Formulated with 4,5-dibromsalicylanilide and 3,4,5-tribrosalicyanilide.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of precleaned surfaces. Formulated with o-phenylphenol.
	4,000 ppm quat 60,000 ppm (0.4% PrL)	Disinfection of precleaned surfaces. Formulated with triethylene glycol.

Site, Efficacy, Dosage and Formulation	Use Directions

Household Premises and Contents (continued)

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses

A29 Fungicide
FYABQBB Mold/mildew

Site, Efficacy, Dosage and Formulation	Use Directions
243 ppm quat 365 ppm quat (1.58% SC/L)	Disinfection, cleaning and mold/mildew control on non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride.
194-195 ppm quat 291-292 ppm quat (2.5%, 5% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
195 ppm quat 292 ppm quat (5% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

FYABQBB Mold/mildew

Site, Efficacy, Dosage and Formulation	Use Directions
71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
2,500-5,000 ppm quat 2,000 ppm (0.25%, 0.5% PrL)	Mold/mildew control on surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Mold/mildew control on surfaces. Formulated with o-phenylphenol.

	Site, Efficacy, Dosage and Formulation	Use Directions
/630090A	**Sickroom Premises and Contents**	
		General Instructions for Use: See Sickroom Premises and Contents V.1-069105 for specific site descriptions and general use instructions.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide-effective against Influenza Type A2 virus	
A29	Fungicide	
FYABQBB	Mold/mildew	
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	2,000-4,000 ppm quat 60,000-123,000 ppm (0.2% RTU) (0.4% PrL)	Disinfection of precleaned surfaces. Formulated with triethylene glycol.
	2,960 ppm quat 123,000 ppm (0.296% RTU)	Disinfection of precleaned surfaces. Formulated with propylene glycol.
	2,500 ppm quat 2,000 ppm (0.25% PrL)	Disinfection of precleaned surfaces. Formulated with 4,5-dibromosalicylamilide and 3,4,5-tribromosalicylanilide.
	(Commercial and Industrial Uses)	
/770020A	**Athletic and Recreational Equipment**	
		General Instructions for Use: See Athletic and Recreational Equipment V.1-069105 for specific site descriptions and general use instructions.
A24	Deodorizer	
	2,400 ppm quat 100,000 ppm (0.24% RTU)	Deodorization of surfaces. Formulated with propylene glycol.

	Site, Efficacy, Dosage and Formulation	Use Directions
77	**Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical)**	**General Instructions for Use:** See Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	248 ppm (2.5% SC/L)	Sanitization and cleaning of surfaces. Formulated with 4-chloro-2-phenylphenol and 6-chloro-2-phenylphenol.
	52 ppm quat 78 ppm quat (3%, 4% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	58-97 ppm quat 65-146 ppm quat (0.72%, 0.76%, 1%, 1.024%, 1.52%, 2.2%, 2.8%, 5%, 8.68% SC/L) or 124 ppm quat 186 ppm quat (1.6% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A22 A24	Disinfectant Deodorizer	
	194 ppm quat 194 ppm quat (2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	385-882 ppm quat 385-588 ppm quat (1.5% 2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) (continued)

A22 Disinfectant
A25 Virucide-effective against Influenza Type A2 virus
A29 Fungicide

Site, Efficacy, Dosage and Formulation	Use Directions
200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A29 Fungicide

Site, Efficacy, Dosage and Formulation	Use Directions
490 ppm quat 235 ppm (2.5% SC/L)	Disinfection and cleaning of surfaces. Formulated with 4-chloro-2-phenylphenol and 6-chloro-2-phenylphenol.
341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *(alkyl as in fatty acids of coconut oil).
677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
388 ppm quat 194 ppm (5% SC/L)	Disinfection and cleaning of surfaces. Formulated with pine oil.
167 ppm quat 66,700 ppm (0.05% RTU)	Disinfection and cleaning of surfaces. Formulated with phosphoric acid.
1,000-1,250 ppm quat 2,500-200,000 ppm (0.1%, 0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with phosphoric acid.
520-5,000 ppm quat 95,000-230,000 ppm (0.26%, 0.42% RTU) (0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride.

Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) (continued)

Site, Efficacy, Dosage and Formulation	Use Directions
5,000 ppm quat 260,000 ppm (0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with propylene glycol and triethylene glycol.
2,500 ppm quat 46,400 ppm (1% RTU)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride and phosphoric acid.
4,000 ppm quat 60,000 ppm (0.4% PrL)	Disinfection and cleaning of surfaces. Formulated with triethylene glycol.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses
A29 Fungicide

Site, Efficacy, Dosage and Formulation	Use Directions
188-428 ppm quat 47-357 ppm quat (0.62%, 1.248%, 2.3%, 2.5%, 3.07%, 5%, 5.5%, 6.14%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
103-130 ppm quat 155-195 ppm quat (1.5%, 3%, 4%, 10%, 20% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
111-338 ppm quat 166-507 ppm quat (0.72%, 0.76%, 1%, 1.024%, 1.3%, 1.52%, 1.6%, 1.9%, 2%, 2.2%, 2.33%, 2.8%, 4%, 4.34%, 5%, 6.14%, 8.68% SC/L) or 200-340 ppm quat 300-520 ppm quat (0.02%, 0.024%, 0.034% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Commercial, Industrial, and Institutional Premises and Equipment (Non-Medical) (continued)	
	67 ppm quat 100 ppm quat 30,000 ppm (0.02% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with hydrogen chloride.
	567 ppm quat 619 ppm quat (5.5% SC/L)	Disinfection and cleaning of heavily contaminated surfaces. Formulated with didecyl dimethyl ammonium chloride.
	338 ppm quat 507 ppm quat (8.68% SC/L) or 340 ppm quat 520 ppm quat (0.034% RTU)	Disinfection and cleaning of porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
FYABQBB	Mold/mildew	
	118-338 ppm quat 177-507 ppm quat (0.76%, 1%, 1.024%, 1.3%, 1.52%, 1.6%, 2.2%, 2.8%, 4.34%, 5%, 8.68% SC/L) or 240-340 ppm quat 360-520 ppm quat (0.024%, 0.034% RTU)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
	200 ppm quat 800 ppm quat (0.02% PrL)	Mold/mildew control on surfaces. Spray from a distance of 6 to 8 inches. Let stand, then wipe with clean cloth or sponge. Repeat as needed. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	122 ppm quat 6,340 ppm (0.5% RTU)	Mold/mildew control on surfaces. Formulated with propylene glycol and triethylene glycol.

	Site, Efficacy, Dosage and Formulation	Use Directions
/70	Commercial Transportation Vehicles	General Warnings and Limitations: See Commercial Transportation Vehicles V.1-069105 for specific site descriptions and general use instructions.
A22 A25 A29	Disinfectant Virucide-effective against Influenza Type A2 virus Fungicide	
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	(Barber Shops and Mortuaries)	
/750020A	Barber and Beauty Shop Equipment	General Instructions for Use: See Barber and Beauty Shop Equipment V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned equipment. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
/750010A	Barber and Beauty Shop Instruments	General Instructions for Use: See Barber and Beauty Shop Instruments V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
	154-303 ppm quat 692-1,360 ppm quat 62-121 ppm (1% SC/L)	Disinfection of precleaned instruments. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride and thymol.
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned instruments. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	112-125 ppm quat 167-187 ppm quat (1.5%, 3%, 4%, 20% SC/L)	Disinfection of precleaned instruments. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Food and Feed Processing Plants)	
/71004JF	Cannery Premises	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22 A24	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
/71004JE	Cannery Processing Equipment	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22 A24	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
/71022JF	Fish Processing Plant Premises	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22 A24	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Fish Processing Plant Premises (continued)	
A18 A22 A29	Pseudomonacide Disinfectant Fungicide	
	341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
/71022JE	**Fish and Seafood Processing Equipment**	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22 A2	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
/71000JE	**Food Processing Equipment and Surfaces (Food contact)**	
		General Instructions for Use: See (Commercial and Industrial Uses), (Food and Feed Processing Plants) General Information V.1-069105, for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	52-62 ppm quat 78-94 ppm quat (1.5%, 3%, 3.06%, 4%, 8%, 10%, 20% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Food Processing Equipment and Surfaces (Food contact) (continued)	
	195 ppm quat 351-585 ppm (10% SC/L)	Sanitization of precleaned equipment. Formulated with phosphoric acid.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
/71000JF	Food Processing Plant Conveyor Chains	General Instructions for Use: The product registered in this site is for use on food processing plant conveyor chains as a lubricant bacteriostat. Apply product continuously through a lubricant metering system such as a tank with a proportioner pump.
A24	Bacteriostat	
	1 ppm quat 1 ppm (0.01% SC/L)	Bacteriostatic treatment for bottle and can line conveyor chains. Formulated with bis(trichloromethyl) sulfone.
/71000JF	Food Processing Plant Premises	General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.

Site, Efficacy, Dosage and Formulation — **Use Directions**

Food Processing Plant Premises (continued)

A22 Disinfectant
A24 Deodorizer

385 ppm quat
385 ppm quat
(2.5% SC/L)

Disinfection of precleaned porous or heavily contaminated surfaces.
Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses
A29 Fungicide
FYABQBB Mold/mildew

354-428 ppm quat
47-108 ppm quat
(2.3%, 11% SC/L)

Disinfection, cleaning and mold/mildew control on surfaces.
Formulated with didecyl dimethyl ammonium chloride.

/71008JE **Meat Processing Equipment**

General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.

A22 Disinfectant
A24 Deodorizer

882 ppm quat
588 ppm quat
(1.5% SC/L)

Disinfection of precleaned porous or heavily contaminated surfaces.
Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71008JF	Meat Processing Plant Premises	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
A24	Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A18	Pseudomonacide	
A22	Disinfectant	
A29	Fungicide	
	341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza A2 virus	
	340 ppm quat 520 ppm quat (0.034% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71[illegible]E	Milk Processing Equipment	General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A22 A24	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
/71005JF	Milk Processing Plant Premises	General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
A22 A24	Disinfectant Deodorizer	
	882 ppm quat 588 ppm quat (1.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A18 A22 A24 A25 A29	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses Fungicide	
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
/71009JE	Poultry Processing Equipment	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants) V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
	103 ppm quat 155 ppm quat (1.5% SC/L)	Disinfection of precleaned non-porous surfaces.
/71009JF	Poultry Processing Plant Premises	
		General Instructions for Use: See (Commercial and Industrial Uses) (Food and Feed Processing Plants), General Information V.1-069105 for specific site descriptions and general use instructions.
A18 A22 A29	Pseudomonacide Disinfectant Fungicide	
	341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
A18 A22 A24 A25	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza A2 virus	
	340 ppm quat 520 ppm quat (0.034% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Eating Establishments)	
/72006JE	Eating Establishment Equipment and Utensils	General Instructions for Use: See Eating Establishment Equipment and Utensils V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	192 ppm quat 1,920 ppm (1% SC/L)	Sanitization and cleaning of surfaces. Formulated with pine oil.
	52-62 ppm quat 78-94 ppm quat (2.2%, 3%, 4%, 4.34%, 8%, 10%, 20% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	62 ppm quat 92 ppm quat (8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A22 A24	Disinfectant Deodorizer	
	376-388 ppm quat 194-3,760 ppm (1%, 5% SC/L)	Disinfection and cleaning of surfaces. Formulated with pine oil.
	231 ppm quat 154 ppm quat (1.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	385-882 ppm quat 385-588 ppm quat (1.5%, 2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
	1,250 ppm quat 75,000 ppm (0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with phosphoric acid.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Eating Establishment Equipment and Utensils (continued)	
	2,500 ppm quat 46,400 ppm (1% RTU)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride and phosphoric acid.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection and cleaning of surfaces. Formulated with o-phenylphenol.
A18 A22 A24	Pseudomonacide Disinfectant Deodorizer	
	338 ppm quat 354-507 ppm quat (2.2%, 8.68% SC/L) or 200 ppm quat 300 ppm quat (0.02% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
/72000JF	Eating Establishment Premises	General Instructions for Use: See Eating Establishment Premises (Hospital Non-Critical Equipment) V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	62-97 ppm quat 65-146 ppm quat (2.2%, 5% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	178-214 ppm quat 23-54 ppm quat (2.3%, 11% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	62 ppm quat 92 ppm quat (8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A22 A24	Disinfectant Deodorizer	
	231 ppm quat 154 ppm quat (1.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Eating Establishment Premises (continued)	
	385-882 ppm quat 385-588 ppm quat (1.5%, 2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A18 A22 A24	Pseudomonacide Disinfectant Deodorizer	
	195-338 ppm quat 292-507 ppm quat (1.3%, 2.2%, 5%, 8.68% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
A18 A22 A24 A25 A29	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza Type A2 virus Fungicide	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	5,000 ppm quat 95,000 ppm (0.5% RTU)	Disinfection of precleaned surfaces. Formulated with hydrogen chloride.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of precleaned surfaces. Formulated with o-phenylphenol.
	4,000 ppm quat 59,800 ppm (0.4% PrL)	Disinfection of precleaned surfaces. Formulated with triethylene glycol.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Eating Establishment Premises (continued)	
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
FYABQBB	Mold/mildew	
	243 ppm quat 365 ppm quat (1.58% SC/L)	Disinfection, cleaning and mold/mildew control on non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride.
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
FYABQBB	Mold/mildew	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	200-338 ppm quat 277-507 ppm quat (1.3%, 2.2%, 8.68% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	2,500-5,000 ppm quat 2,000 ppm (0.25%, 0.5% PrL)	Mold/mildew control on surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Mold/mildew control on surfaces. Formulated with o-phenylphenol.

Site, Efficacy, Dosage and Formulation	Use Directions
(Food Markets)	

/73001JE **Food Dispensing Equipment**

General Instructions for Use: The products registered in this site are for use on food dispensing equipment (e.g. vending machines, beverage dispensers, soft service ice cream machines etc.)

Sanitizers which are registered for use on food contact surfaces are required to be in compliance with the food additive regulations identified in Title 21 Code of Federal Regulations, Section 178.1010, Sanitizing solutions.

Sanitizer food contact surface treatment instructions:

1) Remove surface soils by scraping or flushing with water.
2) Wash with a suitable detergent or cleaner.
3) Rinse with potable water.
4) Dilute product according to label directions.
5) Apply by immersion, flooding, spraying, mopping, sponging, or wiping making sure to wet all surfaces thoroughly.
6) Allow for the specified contact time (at least 1 minute.
7) Allow the use solution to drain and air dry.
8) Do not rinse the surface with water after sanitizing as this will recontaminate the surface.

Follow label instructions for products registered for use on food contact surfaces which are disinfectants.

A22 Disinfectant
A25 Virucide - effective against Influenza Type A2 virus
A29 Fungicide

200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).

Site, Efficacy, Dosage and Formulation	Use Directions

/72000JF **Food Market Premises**

General Instructions for Use: The products registered in this site are for use on food market or food store premises (i.e. floors, walls, and other non-food contact surfaces).

A precleaning step before treatment is recommended if surfaces are heavily soiled. Dilute product as recommended. Application is by mop, spray, sponge, or machine. Do not permit product to come in contact with food.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses
A29 Fungicide
FYABQBB Mold/mildew

243 ppm quat 365 ppm quat (1.58% SC/L)	Disinfection, cleaning and mold/mildew control on non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride.
354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection, cleaning and mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.

(Hospitals and Related Institutions)

/74012GA **Dental Appliances**

General Instructions for Use: See Dental Appliances V.1-069105 for specific site descriptions and general use instructions.

A18 Pseudomonacide
A22 Disinfectant

670 ppm quat 670 ppm quat (6.5% SC/L)	Disinfection of precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.

A29 Fungicide

1,330 ppm quat 1,330 ppm quat (6.5% SC/L)	Fungicidal treatment for precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
/7[illegible]1GA-2	Dental Instruments	General Instructions for Use: See Dental Instruments V.1-069105 for specific site descriptions and general use instructions.
A18 A22	Pseudomonacide Disinfectant	
	670 ppm quat 670 ppm quat (6.5% SC/L)	Disinfection of precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
A29	Fungicide	
	1,330 ppm quat 1,330 ppm quat (6.5% SC/L)	Fungicidal treatment for precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
A18 A22	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
	194-195 ppm quat 291-292 ppm quat (2.5%, 5% SC/L)	Disinfection of precleaned instruments and equipment. Formulated with didecyl dimethyl ammonium chloride.
/74012GA	Hospital Critical Equipment	General Instructions for Use: See Hospital Critical Equipment V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
	659 ppm quat 659 ppm quat (1.12% SC/L) or 700 ppm quat 700 ppm quat (0.07% RTU)	Disinfection of precleaned instruments. Formulated with cetyl dimethyl ethyl ammonium bromide.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Hospital Critical Equipment (continued)	
A18 A22	Pseudomonacide Disinfectant	
	670 ppm quat 670 ppm quat (6.5% SC/L)	Disinfection of precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
A18 A22 A25	Pseudomonacide Disinfectant Virucide - effective against Adenovirus Type 2, Herpes simplex, Influenza Type A2, and Vaccinia viruses	
	195 ppm quat 292 ppm quat (5% SC/L)	Disinfection of precleaned instruments. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A29	Fungicide	
	1,330 ppm quat 1,330 ppm quat (6.5% SC/L)	Fungicidal treatment for precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
/740000A	**Hospital Premises and Equipment**	
		General Instructions for Use: See Hospital Premises and Equipment V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	58-62 ppm quat 65-94 ppm quat (1%, 1.024%, 1.52%, 2.2%, 2.8% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	178 ppm quat 54 ppm quat (2.3% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	59-97 ppm quat 92-146 ppm quat (4.34%, 5%, 8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Hospital Premises and Equipment (continued)	
A22	Disinfectant	
A24	Deodorizer	
A29	Fungicide	
	385-882 ppm quat 385-588 ppm quat (1.5%, 2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A18	Pseudomonacide	
A22	Disinfectant	
	670 ppm quat 670 ppm quat (6.5% SC/L)	Disinfection of precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
A18	Pseudomonacide	
A22	Disinfectant	
A29	Fungicide	
	341 ppm quat 78 ppm quat (4.4% SC/L)	Disinfection of precleaned surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	677 ppm quat 154 ppm quat (4.4% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acids of coconut oil.
	200 ppm quat 800 ppm quat (0.02% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (68% C12, 32% C14).
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses	
A29	Fungicide	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.

Site, Efficacy, Dosage and Formulation	Use Directions
Hospital Premises and Equipment (continued)	
188-428 ppm quat 47-357 ppm quat (0.62%, 1.248%, 2.3%, 2.5%, 3.07%, 5%, 5.5%, 6.14%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
567 ppm quat 619 ppm quat (5.5% SC/L)	Disinfection and cleaning of heavily contaminated surfaces. Formulated with didecyl dimethyl ammonium chloride.
181-195 ppm quat 272-293 ppm quat (3%, 4%, 5%, 10%, 20% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
147-338 ppm quat 236-507 ppm quat (0.76%, 1%, 1.024%, 1.3%, 1.5%, 1.52%, 1.9%, 2%, 2.2%, 3%, 4%, 4.34%, 5%, 6.14%, 8.68% SC/L) or 240-340 ppm quat 360-520 ppm quat (0.024%, 0.034% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
67 ppm quat 100 ppm quat 30,000 ppm (0.02% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with hydrogen chloride.
1,000 ppm quat 200,000 ppm (0.1% RTU)	Disinfection of precleaned surfaces. Formulated with phosphoric acid.
5,000 ppm quat 95,000 ppm (0.5% RTU)	Disinfection of precleaned surfaces. Formulated with hydrogen chloride.
3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of precleaned surfaces. Formulated with o-phenylphenol.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Hospital Premises and Equipment (continued)	
	4,000 ppm quat 59,800-60,000 ppm (0.4% PrL)	Disinfection of precleaned surfaces. Formulated with triethylene glycol.
A29	Fungicide	
	1,330 ppm quat 1,330 ppm quat (6.5% SC/L)	Fungicidal treatment for precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.
FYABQBB	Mold/mildew	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	118-339 ppm quat 177-507 ppm quat (0.76%, 1%, 1.024%, 1.3%, 1.52%, 2.2%, 2.8%, 4.34%, 4.375%, 5%, 8.68% SC/L) or 240-340 ppm quat 360-520 ppm quat (0.024%, 0.034% RTU)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
	200 ppm quat 800 ppm quat (0.02% RTU)	Mold/mildew control on non-porous surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (68% C12, 32% C14).
	2,500-5,000 ppm quat 2,000 ppm (0.25%, 0.5% PrL)	Mold/mildew control on surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylamilide.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Mold/mildew control on surfaces. Formulated with o-phenylphenol.

	Site, Efficacy, Dosage and Formulation	Use Directions
/74012GA-3	Hospital Rubber and Plastic Items	General Instructions for Use: See Hospital Rubber and Plastic Items V.1-069105 for specific site descriptions and general use instructions.
A18	Pseudomonacide	
A22	Disinfectant	
A25	Virucide - effective against Adenovirus Type 2, Herpes simplex, Influenza Type A2, and Vaccinia viruses	
	195 ppm quat 292 ppm quat (5% SC/L)	Disinfection of precleaned instruments. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
/74011GA-2	Surgical Instruments	General Instructions for Use: See Surgical Instruments V.1-069105 for specific site descriptions and general use instructions.
A22	Disinfectant	
	659 ppm quat 659 ppm quat (1.12% SC/L) or 700 ppm quat 700 ppm quat (0.07% RTU)	Disinfection of precleaned instruments. Formulated with cetyl dimethyl ethyl ammonium bromide.
A18	Pseudomonacide	
A22	Disinfectant	
	670 ppm quat 670 ppm quat (6.5% SC/L)	Disinfection of precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.

Site, Efficacy, Dosage and Formulation	Use Directions

Surgical Instruments (continued)

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A29 Fungicide

962 ppm quat 462 ppm (2.5% SC/L)	Disinfection of precleaned instruments. Formulated with 4-chloro-2-phenylphenol and 6-chloro-2-phenylphenol.
4,000 ppm quat 60,000 ppm (0.4% PrL)	Disinfection of precleaned instruments. Formulated with triethylene glycol.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses
A29 Fungicide

194-195 ppm quat 291-292 ppm quat (2.5%, 5% SC/L)	Disinfection of precleaned instruments and equipment. Formulated with didecyl dimethyl ammonium chloride.

A29 Fungicide

1,330 ppm quat 1,330 ppm quat (6.5% SC/L)	Fungicidal treatment for precleaned objects. Formulated with diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, and diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride.

/74011GA Veterinary Hospital Instruments and Critical Equipment

General Instructions for Use: See Veterinary Hospital Instruments and Critical Equipment V.1-069105 for specific site descriptions and general use instructions.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Influenza Type A2, Vaccinia, Adenovirus Type 3 and Herpes simplex viruses
A29 Fungicide

194-195 ppm quat 291-292 ppm quat (2.5%, 5% SC/L)	Disinfection of precleaned instruments and equipment. Formulated with didecyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
/740000A	Veterinary Hospital Premises and Contents	General Instructions for Use: See Veterinary Hospital Premises and Contents V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	62 ppm quat 65 ppm quat (2.2% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	62 ppm quat 92 ppm quat (4.34% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A18	Pseudomonacide	
A22	Disinfectant	
A24	Deodorizer	
A25	Virucide - effective against Herpes simplex, Influenza Type A2, Vaccinia, Canine distemper, Pseudorabies, and Feline Pneumonitis viruses	
A29	Fungicide	
	188-428 ppm quat 47-292 ppm quat (0.62%, 1.248%, 2.3%, 2.5%, 5%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
	213 ppm quat 222 ppm quat (2.2% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	147-338 ppm quat 354-505 ppm quat (1.9%, 2%, 2.2%, 2.8%, 4%, 4.34%, 6.14% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	238 ppm quat 357 ppm quat (3.07%, 6.14% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
FYABQBB	Mold/mildew	
	213-338 ppm quat 222-507 ppm quat (2.2%, 4.34%, 8.68% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

Site, Efficacy, Dosage and Formulation	Use Directions

Veterinary Hospital Premises and Contents (continued)

354-428 ppm quat	Mold/mildew control on surfaces.
47-108 ppm quat	Formulated with didecyl dimethyl ammonium chloride.
(2.3%, 11% SC/L)	

(Industrial Preservatives and Additives)

/810010A **Adhesives**

General Instructions for Use: The products registered for this site are antimicrobial additives intended for use in adhesives and glues to be preserved prior to manufacturing into the finished product. Products to be used in adhesives which are intended for use in food packaging materials must comply with the Regulations of the Food and Drug Administration under Title 21, Code of Federal Regulations, Section 175.105.

Refer to Industrial Processing Chemicals for efficacy, dose and use information.

/810020A **Coatings, Sizes, Solutions, Slurries**

General Instructions for Use: The products registered for this site are antimicrobial additives intended for use in paper mill coatings to be preserved prior to manufacturing into the finished product.

Refer to Industrial Processing Chemicals for efficacy, dose and use information.

	Site, Efficacy, Dosage and Formulation	Use Directions
/810160A /810010A /810020A	Industrial Processing Chemicals	General Instructions for Use: The products registered for this site are antimicrobial additives intended for use in materials to be preserved prior to manufacturing into the finished product. Materials include pulp, broke, polymers, defoamers, alum, emulsions, pigment slurries, and paper products. Concentrations are calculated on a weight basis and expressed as ppm active ingredient. Add product directly to the material to be preserved. The dosage rate will depend upon the material to be preserved and the storage time.
A24 A29	Bacteriostat Fungicide	
	7-50 ppm quat 61-407 ppm (5% RTU)	Preservative incorporation. Apply 0.3 to 2.0 pounds of product per ton of material to be preserved. Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate, and 2,4,6-trichlorophenol, sodium salt.
	10-50 ppm quat 81-407 ppm (5% RTU)	Preservative incorporation. For a storage time of up to 2 weeks, apply at 10 to 15 ppm quat or at 12.5 to 40 ppm quat under extreme conditions of spoilage. For storage time greater than 2 weeks, the maximum concentration should be increased to 50 ppm quat. Formulated with sodium dimethyldithiocarbamate, sodium pentachlorophenate and sodium 2,4,5-trichlorophenate.
	30-152 ppm quat 40-200 ppm (15.2% RTU)	Preservative incorporation. For a storage time of up to 2 weeks, apply at 30 to 46 ppm quat or at 38 to 122 ppm quat under extreme conditions of spoilage. For storage time greater than 2 weeks, the maximum concentration should be increased to 152 ppm quat. Formulated with bis(trichloromethyl) sulfone.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Domestic and Human Uses)	
/860050A	Human Footwear	General Instructions for Use: See Human Footwear V.1-069105 for specific site descriptions and general use instructions.
A24	Deodorizer	
	2,400 ppm quat 100,000 ppm (0.24% RTU)	Deodorization of shoes. Formulated with propylene glycol.
	5,000 ppm quat 260,000 ppm (0.5% RTU)	Deodorization of shoes. Formulated with propylene glycol and triethylene glycol.
	(Bathrooms)	
/880030A	Bathroom Premises	General Instructions for Use: See Bathroom Premises V.1-069105 for specific site descriptions and general use instructions.
A2[illegible]	Sanitizer	
	52-62 ppm quat 78-94 ppm quat (1%, 2.2%, 2.8%, 3% SC/L)	Sanitization of precleaned surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	62-145 ppm quat 92-218 ppm quat (4.34%, 8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A23 A24	Sanitizer Deodorizer	
	5,000 ppm quat 35,000 ppm quat 930,000 ppm quat (0.5% P/T)	Sanitization and deodorization. Remove cellophane wrapper and place tablet in plastic hanger. Formulated with p-dichlorobenzene, paraformaldehyde and alkyl*dimethyl 1-napthylmethyl ammonium chloride *alkyl (98% C12, 2% C14).
A22 A24	Disinfectant Deodorizer	
	194 ppm quat 194 ppm quat (2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.

Site, Efficacy, Dosage and Formulation	Use Directions
Bathroom Premises (continued)	
385 ppm quat 385 ppm quat (2.5% SC/L)	Disinfection of precleaned porous or heavily contaminated surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
229 ppm quat 115 ppm quat 7,440 ppm (1% SC/L)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride, methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis(trimethyl ammonium chloride) 20%, phosphoric acid, and sulfamic acid.
A18 Pseudomonacide A22 Disinfectant A29 Fungicide	
200 ppm quat 800 ppm quat (0.02% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (68% C12, 32% C14).
A22 Disinfectant A25 Virucide-effective against Influenza Type A2 virus A29 Fungicide	
200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
A18 Pseudomonacide A22 Disinfectant A24 Deodorizer A25 Virucide - effective against Influenza Type A2 virus A29 Fungicide	
71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
1,250 ppm quat 22,200 ppm (0.75% SC/L) or 167-1,670 ppm quat 60,000-100,000 ppm (0.05%, 0.5% RTU) or	Disinfection and cleaning of surfaces. Formulated with phosporic acid.

Site, Efficacy, Dosage and Formulation	Use Directions
Bathroom Premises (continued)	
1,000-12,500 ppm quat 102,000-300,000 ppm (0.1%, 0.5%, 1.25% RTU)	
192-388 ppm quat 194-1,920 ppm (1%, 5% SC/L)	Disinfection and cleaning of surfaces. Formulated with pine oil.
610 ppm quat (2.5% SC/L)	Disinfection of surfaces. Formulated with 4-chloro-2-phenylphenol and 6-chloro-2-phenylphenol.
500 ppm quat 230,000 ppm (0.05% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and tributyltin chloride complex of ethylene oxide condensate of abietyl amine.
10-167 ppm quat 4,710-13,600 ppm (0.05%, 0.1%, 0.25% RTU) or 455-882 ppm quat 2,910-46,000 ppm (0.26%, 1.5% RTU) or 1,050-1,400 ppm quat 26,200-34,900 ppm (0.42% RTU) or 5,000 ppm quat 95,000 ppm (0.5% RTU)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride.
2,000 ppm quat 123,000 ppm (0.2% RTU) or 4,000 ppm 59,800-60,000 ppm (0.4% PrL)	Disinfection of surfaces. Formulated with triethylene glycol.
7,500 ppm quat 30,000 ppm (0.75% RTU)	Disinfection of surfaces. Formulated with propylene glycol.

Bathroom Premises (continued)

Site, Efficacy, Dosage and Formulation	Use Directions
9,300 ppm quat 292,000 ppm (0.93% RTU)	Disinfection of surfaces. Formulated with oxalic acid, hydrogen chloride, phosphoric acid, and zinc chloride.
2,500 ppm quat 46,400 ppm (1% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and phosphoric acid.
2,500 ppm quat 2,000 ppm (0.25% PrL)	Disinfection of surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of surfaces. Formulated with o-phenylphenol.

A18 Pseudomonacide
A22 Disinfectant
A24 Deodorizer
A25 Virucide - effective against Adenovirus (Type 2 and Type 5), Herpes simplex, Influenza Type A2, and Vaccinia viruses
A29 Fungicide

111-195 ppm quat 166-293 ppm quat (0.72%, 3%, 4%, 8%, 10%, 20% SC/L) or 338 ppm quat 354 ppm quat (2.2% SC/L) or 340 ppm quat 520 ppm quat (0.034% RTU)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
118-338 ppm quat 177-507 ppm quat (0.76%, 1%, 1.024%, 1.3%, 1.52%, 1.6%, 1.9%, 2%, 2.2%, 2.8%, 4%, 4.34%, 5%, 6.14%, 8.68% SC/L) or	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

Site, Efficacy, Dosage and Formulation	Use Directions
Bathroom Premises (continued)	
240-1,600 ppm quat 360-2,400 ppm quat (0.024%, 0.034%, 0.16% RTU)	
340 ppm quat 520 ppm quat (0.034% RTU)	Disinfection and cleaning of porous or heavily contaminated surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
243 ppm quat 365 ppm quat (1.58% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride.
188-428 ppm quat 47-357 ppm quat (0.62%, 1.248%, 2.3%, 2.5%, 3.07%, 5%, 6.14%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
567 ppm quat 619 ppm quat (5.5% SC/L)	Disinfection and cleaning of heavily contaminated surfaces. Formulated with didecyl dimethyl ammonium chloride.
FYABQBB Mold/mildew	
71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
200-338 ppm quat 354-507 ppm quat (1.3%, 2.2%, 4.34%, 8.68% SC/L) or 240 ppm quat 360 ppm quat (0.024% RTU)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.
243 ppm quat 365 ppm quat (1.58% SC/L)	Mold/mildew control on surfaces. Formulated with didecyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Bathroom Premises (continued)	
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Mold/mildew control on surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
	200 ppm quat 800 ppm quat (0.02% RTU)	Mold/mildew control on non-porous surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) and alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (68% C12, 32% C14).
	2,500-5,000 ppm quat 2,000 ppm (0.25%, 0.5% PrL)	Mold/mildew control on surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
/880060A	Chemical and Portable Toilets	General Instructions for Use: See Chemical and Portable Toilets V.1-069105 for specific site descriptions and general use instructions.
A24	Deodorizer	
	265 ppm quat 332 ppm quat (3.42% SC/L)	Deodorization and cleaning of toilets. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18), dialkyl*methyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C18, 5% C12), and alkyl*dimethyl benzyl ammonium chloride *alkyl (61% C12, 23% C14, 11% C16, 5% C18).
/880090A	Diaper Pails	General Instructions for Use: See Diaper Pails V.1-069105 for specific site descriptions.
A23 A24	Sanitizer Deodorizer	
	5,000 ppm quat 35,000 ppm quat 930,000 ppm quat (0.5% P/T)	Sanitization and deodorization. Remove cellophane wrapper and place tablet in plastic hanger. Formulated with p-dichlorobenzene, paraformaldehyde and alkyl*dimethyl 1-napthylmethyl ammonium chloride *alkyl (98% C12, 2% C14).

	Site, Efficacy, Dosage and Formulation	Use Directions
	Diaper Pails (continued)	
A22 A25 A29	Disinfectant Virucide-effective against Influenza Type A2 virus Fungicide	
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).
A18 A22 A24 A25 A29	Pseudomonacide Disinfectant Deodorizer Virucide - effective against Influenza Type A2 virus Fungicide	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	2,500 ppm quat 2,000 ppm (0.25% PrL)	Disinfection of surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
	3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of surfaces. Formulated with o-phenylphenol.
	4,000 ppm quat 60,000 ppm (0.4% PrL)	Disinfection of surfaces. Formulated with triethylene glycol.
FYABQBB	Mold/mildew	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
/880040A	Toilet Bowls and Urinals	
		General Instructions for Use: See Toilet Bowls and Urinals V.1-069105 for specific site descriptions.
A23 A24	Sanitizer Deodorizer	
	5,000 ppm quat 35,000 ppm quat 930,000 ppm quat (0.5% P/T)	Sanitization and deodorization. Remove cellophane wrapper and place tablet in plastic hanger. Formulated with p-dichlorobenzene, paraformaldehyde and alkyl*dimethyl 1-napthylmethyl ammonium chloride *alkyl (98% C12, 2% C14).

Toilet Bowls and Urinals (continued)

A22 Disinfectant
A24 Deodorizer

Site, Efficacy, Dosage and Formulation	Use Directions
103 ppm quat 52 ppm quat 3,350 ppm (1% SC/L)	Disinfection and cleaning of surfaces. Formulated with hydrogen chloride, methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis(trimethyl ammonium chloride) 20%, phosphoric acid, and sulfamic acid.
500-23,200 ppm quat 70,000-260,000 ppm (0.05%, 0.1%, 0.16%, 0.2%, 0.25%, 0.26%, 0.42%, 0.5%, 1.2%, 1.5%, 2.32% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride.
500-12,500 ppm quat 102,000-300,000 ppm (0.75% SC/L) (0.05%, 0.5%, 1.25% RTU)	Disinfection of surfaces. Formulated with phosphoric acid.
500 ppm quat 230,000 ppm (0.05% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and triethylene glycol.
500 ppm quat 230,000-280,000 ppm (0.05% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and tributyltin chloride complex of ethylene oxide condensate of abietyl amine.
500 ppm quat 230,000 ppm (0.05% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and bis(tributyltin) oxide.
1,000 ppm quat 230,000 ppm (0.1% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and o-benzyl-p-chlorophenol.
2,500 ppm quat 205,000 ppm (0.25% RTU)	Disinfection of surfaces. Formulated with glycolic acid and phosphoric acid.
2,640 ppm quat 88,500 ppm (0.264% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and o-dichlorobenzene.

Site, Efficacy, Dosage and Formulation	Use Directions
Toilet Bowls and Urinals (continued)	
2,700 ppm quat 230,000 ppm (0.27% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and tributyltin neodecanoate.
5,000 ppm quat 2,500 ppm (0.5% RTU)	Disinfection of surfaces. Formulated with paraformaldehyde.
8,000 ppm quat 132,000 ppm (0.8% RTU)	Disinfection of surfaces. Formulated with nonylphenoxypolyethoxyethanol-iodine complex, phosphoric acid, and sulfuric acid.
9,300 ppm quat 292,000 ppm (0.93% RTU)	Disinfection of surfaces. Formulated with oxalic acid, hydrogen chloride, phosphoric acid, and zinc chloride.
9,800 ppm quat 263,000 ppm (0.98% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and 1-(2-hydroxyethyl)-2-heptadecenyl-2-imidazoline.
10,000 ppm quat 186,000-431,000 ppm (1% RTU)	Disinfection of surfaces. Formulated with hydrogen chloride and phosphoric acid.
3,300 ppm quat 2,500 ppm (0.33% PrL)	Disinfection of surfaces. Formulated with o-phenylphenol.
4,000 ppm quat 59,800-60,000 ppm (0.4% PrL)	Disinfection of surfaces. Formulated with triethylene glycol.
A18 Pseudomonacide A22 Disinfectant A24 Deodorizer	
58 ppm quat 87 ppm quat (1% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
145-303 ppm quat 218-455 ppm quat (1% SC/L) or 200-1,600 ppm quat 300-2,400 ppm quat (0.02%, 0.16% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Toilet Bowls and Urinals (continued)	
	50-67 ppm quat 75-100 ppm quat 22,500-76,700 ppm (0.02% SC/L) or 91-176 ppm quat 136-265 ppm quat 2,910-12,000 ppm (0.3% SC/L) or 840 ppm quat 1,270 ppm quat 240,000 ppm (0.084% RTU)	Disinfection and cleaning of non-porous surfaces. Formulated with hydrogen chloride, didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
FYABQBB	Mold/mildew	
	1,000 ppm quat 230,000 ppm (0.1% RTU)	Mold/mildew control in toilet bowls and urinals. Formulated with hydrogen chloride and o-benzyl-p-chlorophenol.
	(Laundry)	
/87007HO	Diapers (Commercial)	General Instructions for Use: See Diapers (Commercial) V.1-069105 for specific site descriptions and general use instructions.
A23 A24	Sanitizer Bacteriostat	
	24 ppm quat 120 ppm quat (1.2% SC/S) or 48 ppm quat 241 ppm quat (2.4% SC/S) or 109 ppm quat 89 ppm quat (21% SC/L)	Bacteriostatic treatment for laundry. Formulated with dialkyl*dimethyl ammonium chloride *alkyl (47% C12, 18% C14, 10% C8, 9% C10, 8% C16, 8% C8).

	Site, Efficacy, Dosage and Formulation	Use Directions
/8[illegible]HE	Diapers (Household)	General Instructions for Use: See Diapers (Household) V.1-069105 for specific site descriptions and general use instructions.
A23 A24	Sanitizer Bacteriostat	
	479 ppm quat 718 ppm quat (1.58% SC/L)	Bacteriostatic treatment for laundry. Formulated with didecyl dimethyl ammonium chloride.
	111 ppm quat 57 ppm (5% SC/L)	Sanitization of diapers. Formulated with pine oil.
/870090A	Dust Mops, Dust Cloths, and Dust Tool Covers	General Instructions for Use: See Dust Mops, Dust Cloths, and Dust Tool Covers V.1-069105 for specific site descriptions and general use instructions.
A24	Bacteriostat	
	2,400 ppm quat 31,500 ppm (0.24% Impr) (0.24% RTU)	Bacteriostatic treatment for dust mops. Formulated with 2,6-di-tert-butyl-p-cresol, phenol, alkyl*-N,N-di(hydroxyethyl)amine *alkyl (as in fatty acids of soybean oil), and bis(tributyltin) oxide.
	334-1,330 ppm quat 5-20 ppm (2% SC/L)	Bacteriostatic treatment for dust control articles. Formulated with o-phenylphenol.
/87006HO /87006HA	Laundry (Hospital, Commercial, and Institutional)	General Instructions for Use: See Laundry (Hospital, Commercial and Institutional) V.1-069105 for specific site descriptions and general use instructions.
A24	Bacteriostat	
	24 ppm quat 120 ppm quat (1.2% SC/S) or	Bacteriostatic treatment for laundry. Formulated with dialkyl*dimethyl ammonium chloride *alkyl (47% C12, 18% C14, 10% C8, 9% C10, 8% C16, 8% C8).

	Site, Efficacy, Dosage and Formulation	Use Directions
	Laundry (Hospital, Commercial, and Institutional) (continued)	
	48 ppm quat 241 ppm quat (2.4% SC/S) or 109 ppm quat 89 ppm quat (21% SC/L)	
	8.3 ppm quat 8.3 ppm quat 3.9 ppm (2.64% SC/S)	Bacteriostatic treatment for laundry. Formulated with 5-chloro-2-(2,4-dichlorophenoxy) phenol and dialkyl*dimethyl ammonium chloride *alkyl (85% C18, 15% C16).
A22	Disinfectant	
	962 ppm quat 462 ppm (2.5% SC/L)	Disinfection of clothing. Formulated with 4-chloro-2-phenylphenol and 6-chloro-2-phenylphenol.
/87006HE	Laundry (Household)	General Instructions for Use: See Laundry (Household) V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
A24	Bacteriostat	
	479 ppm quat 718 ppm quat (1.58% SC/L)	Bacteriostatic treatment for laundry. Formulated with didecyl dimethyl ammonium chloride.
	111 ppm quat 57 ppm (5% SC/L)	Sanitization of laundry. Formulated with pine oil.
	5,000 ppm quat 260,000 ppm (0.5% RTU)	Bacteriostatic treatment for athletic laundry. Formulated with propylene glycol and triethylene glycol.

	Site, Efficacy, Dosage and Formulation	Use Directions
	(Refuse)	
/890010A	Garbage Containers	General Instructions for Use: See Garbage Containers V.1-069105 for specific site descriptions and general use instructions.
A23	Sanitizer	
	62 ppm quat 94 ppm quat (2.8% SC/L)	Sanitization of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
	62 ppm quat 92 ppm quat (4.34%, 8.68% SC/L)	Sanitization and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
A23 A24	Sanitizer Deodorizer	
	5,000 ppm quat 35,000 ppm quat 930,000 ppm quat (0.5% P/T)	Sanitization and deodorization. Remove cellophane wrapper and place tablet in plastic hanger. Formulated with p-dichlorobenzene, paraformaldehyde and alkyl*dimethyl 1-napthylmethyl ammonium chloride *alkyl (98% C12, 2% C14).
A22 A24	Disinfectant Deodorizer	
	385 ppm quat 385 ppm quat (2.5% SC/L)	Disinfection of precleaned surfaces. Formulated with methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis-(trimethyl ammonium chloride) 20%.
A22 A25 A29	Disinfectant Virucide-effective against Influenza Type A2 virus Fungicide	
	200 ppm quat 800 ppm quat (0.02% RTU) (0.02% PrL)	Disinfection and cleaning of surfaces. Formulated with alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18).

Site, Efficacy, Dosage and Formulation	Use Directions
Garbage Containers (continued)	
A18 Pseudomonacide A22 Disinfectant A24 Deodorizer A25 Virucide - effective against Influenza Type A2 virus A29 Fungicide	
71,100 ppm quat 31,700 ppm (7.11% Impr)	Disinfection of non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
376-388 ppm quat 194-3,760 ppm (1%, 5% SC/L)	Disinfection of surfaces. Formulated with pine oil.
2,500 ppm quat 2,000 ppm (0.25% PrL)	Disinfection of surfaces. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Disinfection of surfaces. Formulated with o-phenylphenol.
4,000 ppm quat 59,800-60,000 ppm (0.4% PrL)	Disinfection of surfaces. Formulated with triethylene glycol.
A18 Pseudomonacide A22 Disinfectant A24 Deodorizer A25 Virucide - effective against Herpes simplex, Influenza Type A2 and Vaccinia viruses A29 Fungicide	
111-195 ppm quat 166-293 ppm quat (0.72%, 3%, 4%, 5%, 8%, 10%, 20% SC/L) or 336 ppm quat 505 ppm quat (4.34% SC/L)	Disinfection of precleaned non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.
118-338 ppm quat 177-507 ppm quat (0.76%, 1.3%, 1.52%, 1.6%, 2.2%, 3%, 4.34%, 5%, 8.68% SC/L) or	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride, octyl decyl dimethyl ammonium chloride, and dioctyl dimethyl ammonium chloride.

	Site, Efficacy, Dosage and Formulation	Use Directions
	Garbage Containers (continued)	
	240-340 ppm quat 360-520 ppm quat (0.024%, 0.034% RTU)	
	243 ppm quat 365 ppm quat (1.58% SC/L)	Disinfection and cleaning of non-porous surfaces. Formulated with didecyl dimethyl ammonium chloride.
	354-428 ppm quat 47-108 ppm quat (2.3%, 11% SC/L)	Disinfection and cleaning of surfaces. Formulated with didecyl dimethyl ammonium chloride.
ABQBB	Mold/mildew	
	71,100 ppm quat 31,700 ppm (7.11% Impr)	Mold/mildew control on non-porous surfaces. Formulated with poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride.
	(Miscellaneous Indoor Uses)	
00190A	**Air Sanitizers**	General Instructions for Use: The products registered in this site are for use as air sanitizers to reduce the number of airborne bacteria and viruses. These products may be used for commercial (i.e., bathrooms, washrooms, auditoriums, public rooms, hotels, theaters, hospitals, factories, mills, schools and department stores) and household use. Spray application: For products that are pressurized liquids marketed in pressurized spray containers, spray into air manually. For products registered for use in manufacturer's automatic dispensing devices, insert pressurized container in device. Preset device to depress valve of pressurized container at the desired evenly spaced intervals. Hang dispenser device above eye level in room to be treated. Do not install device in nurseries or rooms where infants, ill or aged people are confined. For products that are soluble concentrates or liquids-ready to use, pour into spray dispenser and spray manually.

Site, Efficacy, Dosage and Formulation	Use Directions
Air Sanitizers (continued)	
A23 Sanitizer	
1,500-2,000 ppm quat 50,000-123,000 ppm (0.15%, 0.2% RTU) or 4,000 ppm quat 59,800-60,000 ppm (0.4% PrL)	Sanitization of air. Formulated with triethylene glycol.
2,400-7,500 ppm quat 30,000-100,000 ppm (0.24%, 0.75% RTU)	Sanitization of air. Formulated with propylene glycol.
1,670 ppm quat 50,000 ppm (1% RTU) or 5,000 ppm quat 260,000 ppm (0.5% RTU) or 1,000-5,500 ppm quat 75,000-240,000 ppm (0.1%, 0.17%, 0.2%, 0.55% PrL)	Sanitization of air. Formulated with propylene glycol and triethylene glycol.
2,000 ppm quat 100,000 ppm (0.2% PrL)	Sanitization of air. Formulated with dipropylene glycol and triethylene glycol.
2,500-5,000 ppm quat 2,000 ppm (0.25%, 0.5% PrL)	Sanitization of air. Formulated with 4,5-dibromosalicylanilide and 3,4,5-tribromosalicylanilide.
3,300 ppm quat 2,500-2,600 ppm (0.33% PrL)	Sanitization of air. Formulated with o-phenylphenol.

EPA Index to Pesticide Chemicals

Listing of Registered Pesticide Products by Formulation

&: 002	**16% formulation intermediate**	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	16.0%
	didecyl dimethyl ammonium chloride (069149)	6.0%
	octyl decyl dimethyl ammonium chloride (069165)	12.0%
	dioctyl dimethyl ammonium chloride (069166)	6.0%
		40.0%
	006836-00080	
&220.0002	**20% formulation intermediate**	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.00%
	didecyl dimethyl ammonium chloride (069149)	30.00%
		50.00%
	047371-00027	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.0%
	didecyl dimethyl ammonium chloride (069149)	7.5%
	octyl decyl dimethyl ammonium chloride (069165)	15.0%
	dioctyl dimethyl ammonium chloride (069166)	7.5%
		50.0%
	001839-00113 047371-00070	
&232.0002	**32% formulation intermediate**	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	32.00%
	didecyl dimethyl ammonium chloride (069149)	48.00%
		80.00%
	047371-00042	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	32.0%
	didecyl dimethyl ammonium chloride (069149)	12.0%
	octyl decyl dimethyl ammonium chloride (069165)	24.0%
	dioctyl dimethyl ammonium chloride (069166)	12.0%
		80.0%
	001839-00114	
&238.0002	**38% formulation intermediate**	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	38.00%
	didecyl dimethyl ammonium chloride (069149)	57.00%
		95.00%
	047371-00061	
&239.2902	**39.29% formulation intermediate**	
	alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	39.29%
	copper-triethanolamine complex (024403)	4.58%
		43.87%
	008959-00031	

6273.0002 73% formulation intermediate

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	73.00%
copper-triethanolamine complex (024403)	0.73%
	73.73%

008959-00030

6000.2410 0.24% impregnated materials

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.24%
2,6-di-tert-butyl-p-cresol (022105)	0.10%
phenol (064001)	0.45%
alkyl*-N,N-di(hydroxyethyl)amine *alkyl (as in fatty acids of soybean oil) (069191)	2.50%
bis(tributyltin) oxide (083001)	0.10%
	3.39%

009647-00011

6207.1110 7.11% impregnated material

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	7.11%
poly(iminoimidocarbonyliminoimidocarbonyliminohexamethylene) hydrochloride (111801)	3.17%
	10.28%

050096-00001

6050.0004 15% granular

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	15.00%
alkyl*dimethyl benzyl ammonium chloride *alkyl (93% C14, 4% C12, 3% C16) (069158)	35.00%
	50.00%

003432-00014

6000.5005 0.5% pelleted/tableted

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
paraformaldehyde (043002)	1.00%
p-dichlorobenzene (061501)	92.00%
alkyl*dimethyl 1-napthylmethyl ammonium chloride *alkyl (98% C12, 2% C14) (069122)	3.50%
	97.00%

002292-00068

6001.2015 1.2% soluble concentrate/solid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.20%
dialkyl*dimethyl ammonium chloride *alkyl (47% C12, 18% C14, 10% C18, 9% C10, 8% C16, 8% C8) (069136)	6.00%
	7.20%

004035-00003

6C J15 2.4% soluble concentrate/solid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.40%
dialkyl*dimethyl ammonium chloride *alkyl (47% C12, 18% C14, 10% C18, 9% C10, 8% C16, 8% C8) (069136)	12.00%
	14.40%

004035-00001

6022.6415 2.64% soluble concentrate/solid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.64%
5-chloro-2-(2,4-dichlorophenoxy)phenol (054901)	1.25%
dialkyl*dimethyl ammonium chloride *alkyl (85% C18, 15% C16) (069162)	26.40%
	30.29%

000875-00092

6200.0215 0.02% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.0200%
hydrogen chloride (045901)	23.0000%
didecyl dimethyl ammonium chloride (069149)	0.0075%
octyl decyl dimethyl ammonium chloride (069165)	0.0150%
dioctyl dimethyl ammonium chloride (069166)	0.0075%
	23.0500%

004170-00052

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.0200%
hydrogen chloride (045901)	9.0000%
didecyl dimethyl ammonium chloride (069149)	0.0075%
octyl decyl dimethyl ammonium chloride (069165)	0.0150%
dioctyl dimethyl ammonium chloride (069166)	0.0075%
	9.0500%

004170-00039

6200.3015 0.3% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.3000%
hydrogen chloride (045901)	9.6000%
didecyl dimethyl ammonium chloride (069149)	0.1125%
octyl decyl dimethyl ammonium chloride (069165)	0.2250%
dioctyl dimethyl ammonium chloride (069166)	0.1125%
	10.3500%

000713-00029
008405-00015
012367-00022
045414-00006
004591-00080
009367-00036
013212-00003
051414-00002
006418-00022
010458-00006
037265-00045
006836-00085
010807-00139
043196-00010

0.3% soluble concentrate/liquid (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.3000%
hydrogen chloride (045901)	20.3200%
didecyl dimethyl ammonium chloride (069149)	0.1125%
octyl decyl dimethyl ammonium chloride (069165)	0.2250%
dioctyl dimethyl ammonium chloride (069166)	0.1125%
	21.0700%

000334-00544 006418-00021 006836-00084 008238-00051
008405-00016 010458-00007 011200-00005 033821-00013
037265-00046 043196-00009 045414-00005 049292-00005
051414-00001

&200.5615 0.562% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.56200%
didecyl dimethyl ammonium chloride (069149)	0.21075%
octyl decyl dimethyl ammonium chloride (069165)	0.42150%
dioctyl dimethyl ammonium chloride (069166)	0.21075%
	1.40500%

047651-00002

&200.6215 0.62% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.62%
didecyl dimethyl ammonium chloride (069149)	0.94%
	1.56%

047371-00036

&200.7215 0.72% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.72%
didecyl dimethyl ammonium chloride (069149)	0.27%
octyl decyl dimethyl ammonium chloride (069165)	0.54%
dioctyl dimethyl ammonium chloride (069166)	0.27%
	1.80%

001622-00064 001658-00029 001802-00003 002527-00035
003837-00061 004591-00079 004823-00020 006418-00020
006418-00023 006418-00024 006418-00025 006469-00008
006697-00003 006836-00074 007905-00037 009613-00015
009647-00037 014819-00008 015057-00014 018305-00007
034892-00010 035930-00007 039754-00007 043196-00006
043196-00007 045414-00003 046048-00001 046269-00002
046915-00001 047635-00003 048211-00006 049292-00009
050280-00001 050453-00001 050533-00001 050533-00002
051629-00001 052142-00001

Listing of Registered Pesticide Products by Formulation (continued)

62   515 **0.75% soluble concentrate/liquid**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.75%
phosphoric acid (076001)	13.33%
	14.08%

001251-00007

6200.7615 **0.76% soluble concentrate/liquid**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.760%
didecyl dimethyl ammonium chloride (069149)	0.285%
octyl decyl dimethyl ammonium chloride (069165)	0.570%
dioctyl dimethyl ammonium chloride (069166)	0.285%
	1.900%

006836-00087   009250-00031   011319-00003   012310-00031
013212-00005   014819-00014   024586-00004   024909-00015
034052-00005   043465-00002   045414-00010   048985-00003
050728-00002   051401-00001

6201.0015 **1% soluble concentrate/liquid**

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
hydrogen chloride (045901)	7.23%
methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis(trimethyl ammonium chloride) 20% (069129)	0.50%
phosphoric acid (076001)	24.75%
sulfamic acid (078101)	0.50%
	33.98%

000402-00092

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
pine oil (067002)	10.00%
	11.00%

008370-00006

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride (069122)	4.50%
thymol (080402)	0.40%
	5.90%

003980-00007

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.000%
didecyl dimethyl ammonium chloride (069149)	0.375%
octyl decyl dimethyl ammonium chloride (069165)	0.750%
dioctyl dimethyl ammonium chloride (069166)	0.375%
	2.500%

006836-00086   011741-00026   012310-00032   014819-00013
034052-00004   037265-00047   045414-00011

Listing of Registered Pesticide Products by Formulation (continued)

6201.0215 1.024% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.024%
didecyl dimethyl ammonium chloride (069149)	0.384%
octyl decyl dimethyl ammonium chloride (069165)	0.768%
dioctyl dimethyl ammonium chloride (069166)	0.384%
	2.560%

000211-00052 000211-00053 001622-00063 001802-00002
004170-00046 004591-00075 004823-00021 005185-00359
005197-00056 006469-00009 006836-00071 006885-00007
007115-00011 007925-00006 008123-00099 008474-00014
010807-00132 012144-00003 012388-00005 013212-00004
018305-00008 024586-00005 033466-00003 034052-00003
034767-00002 034892-00011 039395-00005 042687-00005
043553-00012 045414-00007 045440-00007 046704-00006
052259-00003

6201.1215 1.12% soluble concentrate/liquid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.12%
cetyl dimethyl ethyl ammonium bromide (069156)	1.12%
	2.24%

000504-00004

6201.2515 1.248% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.248%
didecyl dimethyl ammonium chloride (069149)	1.875%
	3.123%

047371-00037

6201.3015 1.3% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.30%
didecyl dimethyl ammonium chloride (069149)	0.45%
octyl decyl dimethyl ammonium chloride (069165)	0.90%
dioctyl dimethyl ammonium chloride (069166)	0.45%
	3.10%

005741-00016

6202.5015 1.5% soluble concentrate/liquid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.50%
methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis(trimethyl ammonium chloride) 20% (069129)	1.00%
	2.50%

001770-00046

Listing of Registered Pesticide Products by Formulation (continued)

1.5% soluble concentrate/liquid (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.5000%
didecyl dimethyl ammonium chloride (069149)	0.5625%
octyl decyl dimethyl ammonium chloride (069165)	1.1250%
dioctyl dimethyl ammonium chloride (069166)	0.5625%
	3.7500%

044726-00002 048108-00001

&201.5215 1.52% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.52%
didecyl dimethyl ammonium chloride (069149)	0.57%
octyl decyl dimethyl ammonium chloride (069165)	1.14%
dioctyl dimethyl ammonium chloride (069166)	0.57%
	3.80%

000713-00023 001190-00052 001299-00028 001622-00065
001638-00011 001638-00012 001658-00030 001769-00317
001802-00001 002527-00036 004389-00079 006146-00007
006469-00007 006836-00073 007398-00011 008370-00015
009619-00010 009619-00014 010970-00003 011200-00004
014819-00009 015057-00011 027053-00001 035576-00033
037265-00037 039395-00004 039754-00008 043656-00001
045414-00002 046276-00001 046823-00001 046912-00002
047230-00003 047567-00003 047635-00001 048211-00001
052585-00001 052585-00002

&201.5815 1.58% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.58%
didecyl dimethyl ammonium chloride (069149)	2.37%
	3.95%

047371-00102

&201.6015 1.6% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.60%
didecyl dimethyl ammonium chloride (069149)	0.60%
octyl decyl dimethyl ammonium chloride (069165)	1.20%
dioctyl dimethyl ammonium chloride (069166)	0.60%
	4.00%

000323-00066 001124-00106 001622-00066 003579-00033
005362-00026 006836-00076 009987-00008 012243-00003
033466-00005 044726-00003 048459-00001 050728-00001

&201.9015 1.9% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.90%
didecyl dimethyl ammonium chloride (069149)	1.45%
octyl decyl dimethyl ammonium chloride (069165)	2.90%
dioctyl dimethyl ammonium chloride (069166)	1.45%
	7.70%

001043-00078

&102.0015 2% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.00%
o-phenylphenol (064103)	0.03%
	2.03%

007517-00006

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.0%
didecyl dimethyl ammonium chloride (069149)	1.5%
octyl decyl dimethyl ammonium chloride (069165)	3.0%
dioctyl dimethyl ammonium chloride (069166)	1.5%
	8.0%

044486-00012

&202.2015 2.2% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.200%
didecyl dimethyl ammonium chloride (069149)	0.825%
octyl decyl dimethyl ammonium chloride (069165)	1.650%
dioctyl dimethyl ammonium chloride (069166)	0.825%
	5.500%

000211-00050 000323-00067 000421-00436 000602-00298
000713-00024 001015-00063 001239-00040 001363-00043
001368-00032 001459-00071 001658-00027 001769-00321
001769-00323 001799-00011 003837-00059 003837-00063
005185-00360 006264-00013 006418-00015 006418-00016
006418-00017 006418-00018 006575-00008 006836-00075
009232-00018 009232-00019 009820-00005 010395-00016
011600-00004 012310-00022 013212-00002 016490-00001
016490-00002 027053-00002 028059-00002 033821-00006
034714-00002 034810-00011 035772-00009 035930-00008
037615-00001 037697-00005 038664-00009 042746-00006
042964-00027 043465-00001 043553-00014 044486-00007
044616-00004 045414-00009 046704-00005 047567-00002
048211-00002 048478-00001 051973-00004 053641-00014

&202.3015 2.3% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.30%
didecyl dimethyl ammonium chloride (069149)	0.70%
	3.00%

000675-00036

& 315 2.33% soluble concentrate liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.33%
didecyl dimethyl ammonium chloride (069149)	0.87%
octyl decyl dimethyl ammonium chloride (069165)	1.75%
dioctyl dimethyl ammonium chloride (069166)	0.87%
	5.82%

006109-00017

&102.5015 2.5% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.50%
4-chloro-2-phenylphenol (062208)	0.60%
6-chloro-2-phenylphenol (062210)	0.60%
	3.70%

009367-00001

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.50%
methyldodecylbenzyl trimethyl ammonium chloride 80% and methyldodecylxylylene bis(trimethyl ammonium chloride) 20% (069129)	2.50%
	5.00%

001770-00085

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.50%
didecyl dimethyl ammonium chloride (069149)	3.75%
	6.25%

000303-00092 044486-00005

&202.8015 2.8% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.80%
didecyl dimethyl ammonium chloride (069149)	1.05%
octyl decyl dimethyl ammonium chloride (069165)	2.10%
dioctyl dimethyl ammonium chloride (069166)	1.05%
	7.00%

000211-00057 000713-00025 001015-00065 001190-00050
003640-00091 003837-00060 005185-00356 006125-00055
006836-00072 007925-00008 009367-00031 009619-00025
010458-00005 033821-00007 034892-00009 042687-00003
042746-00005 047230-00002 048886-00002 052585-00003

&203.0015 3% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	3.000%
didecyl dimethyl ammonium chloride (069149)	1.125%
octyl decyl dimethyl ammonium chloride (069165)	2.250%
dioctyl dimethyl ammonium chloride (069166)	1.125%
	7.500%

000150-00058 000334-00497 000491-00253 000507-00023
000541-00273 000713-00026 000892-00032 001015-00062

Listing of Registered Pesticide Products by Formulation (continued)

3% soluble concentrate/liquid (continued)

001124-00102 001299-00027 001363-00042 001622-00067
001827-00077 002686-00008 003579-00032 003640-00088
003837-00058 004462-00058 004591-00074 004591-00076
005449-00012 005768-00011 005870-00025 006027-00004
006109-00018 006697-00004 006836-00067 006836-00070
006836-00089 007115-00013 007925-00007 008370-00016
009129-00021 009232-00030 009613-00014 009987-00007
010445-00054 010445-00054 010445-00070 010807-00134
011339-00003 012032-00001 012032-00003 012310-00030
013212-00006 014819-00010 015057-00013 018035-00021
018305-00006 024586-00001 033173-00003 033283-00017
033466-00004 033821-00008 034751-00007 034892-00013
035656-00003 035772-00005 035930-00006 037425-00011
037697-00004 038664-00010 039910-00011 042198-00005
042549-00001 042687-00002 042746-00004 043196-00001
043553-00016 043701-00005 043701-00006 044616-00003
044673-00001 044726-00004 044726-00005 044917-00003
045244-00007 045414-00001 045440-00006 046164-00004
046183-00003 046269-00001 046276-00002 046704-00002
046912-00001 047230-00004 047359-00001 047567-00001
047635-00002 048211-00004 048561-00001 048720-00002
048886-00001 049488-00001 050009-00001 050166-00002
052259-00001 052445-00001 052643-00002 052753-00001
052779-00005 052779-00006 052947-00001

&203.0615 3.06% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	3.0600%
didecyl dimethyl ammonium chloride (069149)	1.1475%
octyl decyl dimethyl ammonium chloride (069165)	2.2950%
dioctyl dimethyl ammonium chloride (069166)	1.1475%
	7.6500%

006836-00083 015596-00012 018305-00005 034751-00006

&203.0715 3.07% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	3.07%
didecyl dimethyl ammonium chloride (069149)	4.61%
	7.68%

000303-00092 000303-00210

Listing of Registered Pesticide Products by Formulation (continued)

& 215 3.42% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	3.42%
alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) (069104)	1.80%
dialkyl*methyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C18, 5% C12) (069119)	0.34%
alkyl*dimethyl benzyl ammonium chloride *alkyl (61% C12, 23% C14, 11% C16, 5% C18) (069189)	2.14%
	7.70%

008959-00036

&204.0015 4% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.00%
didecyl dimethyl ammonium chloride (069149)	1.50%
octyl decyl dimethyl ammonium chloride (069165)	3.00%
dioctyl dimethyl ammonium chloride (069166)	1.50%
	10.00%

000833-00071 046548-00001

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.0%
didecyl dimethyl ammonium chloride (069149)	3.0%
octyl decyl dimethyl ammonium chloride (069165)	6.0%
dioctyl dimethyl ammonium chloride (069166)	3.0%
	16.0%

044486-00013

&204.3415 4.34% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.340%
didecyl dimethyl ammonium chloride (069149)	1.628%
octyl decyl dimethyl ammonium chloride (069165)	3.255%
dioctyl dimethyl ammonium chloride (069166)	1.628%
	10.851%

000106-00070 000211-00051 000326-00068 000334-00542
001124-00108 001239-00041 001363-00044 001459-00088
001658-00025 002212-00010 003640-00092 003837-00062
004823-00019 005185-00357 006125-00056 006836-00077
009232-00022 009232-00023 009367-00033 009582-00005
010395-00013 033821-00004 034810-00010 038664-00017
040275-00007 042964-00028 043553-00011 044486-00011
046164-00003 046704-00004 046912-00008 048985-00002
050898-00001

6204.3815 4.375% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.375%
didecyl dimethyl ammonium chloride (069149)	1.094%
octyl decyl dimethyl ammonium chloride (069165)	2.187%
dioctyl dimethyl ammonium chloride (069166)	1.094%
	8.750%

004822-00143

6204.4015 4.4% soluble concentrate/liquid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.40%
alkyl*bis(2-hydroxyethyl) methyl ammonium chloride *alkyl as in fatty acid and of coconut oil (069148)	1.00%
	5.40%

003367-00023

6105.0015 5% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
pine oil (067002)	2.50%
	7.50%

006296-00016

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
didecyl dimethyl ammonium chloride (069149)	7.50%
	12.50%

000303-00091 044486-00006

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.000%
didecyl dimethyl ammonium chloride (069149)	1.875%
octyl decyl dimethyl ammonium chloride (069165)	3.750%
dioctyl dimethyl ammonium chloride (069166)	1.875%
	12.500%

000106-00066 000211-00044 000168-00506 000323-00061
000334-00482 000421-00434 000491-00233 000541-00239
000541-00272 000559-00021 000675-00026 000675-00045
000784-00098 001015-00064 001124-00077 001190-00051
001239-00029 001251-00009 001270-00190 001658-00031
001685-00085 001769-00313 001770-00086 001802-00004
002212-00008 003525-00067 003640-00085 004170-00014
004501-00006 004823-00018 005185-00355 005579-00003
005741-00009 006125-00054 006418-00014 006836-00033
007294-00005 007398-00012 008238-00027 009265-00002
009367-00032 009619-00005 009647-00024 009807-00004
009829-00008 009987-00009 010395-00010 010445-00055
010395-00010 010742-00007 010806-00018 011082-00005
011559-00007 011602-00005 011694-00076 011724-00036
011741-00005 012204-00014 012367-00010 012388-00004
013680-00027 013958-00001 015057-00012 015596-00003
018035-00001 018146-00003 025581-00001 030943-00014

Listing of Registered Pesticide Products by Formulation (continued)

5% soluble concentrate/liquid (continued)

032975-00002 033047-00001 033281-00002 033821-00005
034892-00012 035772-00004 037425-00008 039562-00002
040054-00010 043553-00013 044389-00004 044486-00002
045302-00004 045414-00004 046269-00005 046912-00004
047359-00002 047635-00004 048211-00005 048720-00003
049292-00006 050415-00006 052142-00003

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
phosphoric acid (076001)	40.00%
	45.00%

008428-00007

&205.5015 5.5% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.50%
didecyl dimethyl ammonium chloride (069149)	6.00%
	11.50%

004389-00060 004389-00061

&206.1415 6.14% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	6.14%
didecyl dimethyl ammonium chloride (069149)	9.22%
	15.36%

000303-00091 047371-00129

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	6.14%
didecyl dimethyl ammonium chloride (069149)	2.30%
octyl decyl dimethyl ammonium chloride (069165)	4.60%
dioctyl dimethyl ammonium chloride (069166)	2.30%
	15.34%

001043-00082

&206.5015 6.5% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	6.50%
diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride (069122)	3.25%
diisobytylcresoxyethoxyethyl dimethyl benzyl ammonium chloride (069134)	3.25%
	13.00%

003376-00002

&107.0015 7% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	7.00%
glycolic acid (000101)	8.10%
phosphoric acid (076001)	16.30%
	31.40%

008326-00001

&208.0015 8% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	8.0%
didecyl dimethyl ammonium chloride (069149)	3.0%
octyl decyl dimethyl ammonium chloride (069165)	6.0%
dioctyl dimethyl ammonium chloride (069166)	3.0%
	20.0%

000346-00041

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	8.00%
phosphoric acid (076001)	22.80%
	30.80%

004524-00032

&208.6815 8.68% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	8.680%
didecyl dimethyl ammonium chloride (069149)	3.255%
octyl decyl dimethyl ammonium chloride (069165)	6.510%
dioctyl dimethyl ammonium chloride (069166)	3.255%
	21.700%

000211-00054 000211-00055 000323-00069 000491-00256
001124-00107 001239-00042 001363-00045 001459-00089
001658-00026 001677-00096 002212-00009 003640-00090
005185-00358 005449-00013 006125-00057 006186-00048
006418-00019 006836-00078 006885-00008 007398-00013
007601-00012 009232-00020 009232-00021 010395-00015
013212-00001 034810-00012 037265-00038 038664-00014
040275-00006 041824-00005 042198-00003 042964-00026
043701-00007 043985-00001 044486-00010 044543-00016
045440-00005 046269-00004 046704-00003 049292-00001
051973-00003

&210.0015 10% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	10.00%
didecyl dimethyl ammonium chloride (069149)	3.75%
octyl decyl dimethyl ammonium chloride (069165)	7.50%
dioctyl dimethyl ammonium chloride (069166)	3.75%
	25.00%

028059-00003 035137-00010

10% soluble concentrate/liquid (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	10.00%
phosphoric acid (076001)	18.00%
	28.00%

000150-00030

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	10.00%
phosphoric acid (076001)	30.00%
	40.00%

005185-00233 008047-00037

&211.0015 11% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	11.00%
didecyl dimethyl ammonium chloride (069149)	1.20%
	12.20%

000675-00045

&220.0015 20% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.00%
didecyl dimethyl ammonium chloride (069149)	30.00%
	50.00%

047371-00055 047371-00056

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.0%
didecyl dimethyl ammonium chloride (069149)	7.5%
octyl decyl dimethyl ammonium chloride (069165)	15.0%
dioctyl dimethyl ammonium chloride (069166)	7.5%
	50.0%

000346-00040 000839-00065 006836-00079 007333-00002
020375-00023 027581-00014 034339-00002 037265-00039
039183-00008 042687-00001 047567-00005 049249-00001

&221.0015 21% soluble concentrate/liquid

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	21.00%
dialkyl*dimethyl ammonium chloride *alkyl (47% C12, 18% C14, 10% C18, 9% C10, 8% C16, 8% C8) (069136)	17.04%
	38.04%

007052-00009

&126.0015 26% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	26.00%
copper-triethanolamine complex (024403)	3.00%
	29.00%

012014-00014

EPA Index to Pesticide Chemicals

Listing of Registered Pesticide Products by Formulation (continued)

&226.3415 26.34% (2.28 lb/gal) soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	26.34%
copper-triethanolamine complex (024403)	3.07%
	29.41%

008959-00014

&232.0015 32% soluble concentrate/liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	32.0%
didecyl dimethyl ammonium chloride (069149)	12.0%
octyl decyl dimethyl ammonium chloride (069165)	24.0%
dioctyl dimethyl ammonium chloride (069166)	12.0%
	80.0%

005009-00035 045779-00005

&100.0116 0.01% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.01%
bis(trichloromethyl) sulfone (035601)	0.01%
	0.02%

045447-00011

&200.0216 0.02% liquid-ready to use

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.02%
alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) (069104)	0.04%
alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (68% C12, 32% C14) (069154)	0.04%
	0.10%

042964-00029

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.0200%
didecyl dimethyl ammonium chloride (069149)	0.0075%
octyl decyl dimethyl ammonium chloride (069165)	0.0150%
dioctyl dimethyl ammonium chloride (069166)	0.0075%
	0.0500%

004170-00055

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.02%
alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18) (069175)	0.08%
	0.10%

000675-00035 000777-00051

6 216 **0.024% liquid-ready to use**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.024%
didecyl dimethyl ammonium chloride (069149)	0.009%
octyl decyl dimethyl ammonium chloride (069165)	0.018%
dioctyl dimethyl ammonium chloride (069166)	0.009%
	0.060%

000491-00260 001453-00043 001903-00018

6200.0316 **0.034% liquid-ready to use**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.034%
didecyl dimethyl ammonium chloride (069149)	0.013%
octyl decyl dimethyl ammonium chloride (069165)	0.026%
dioctyl dimethyl ammonium chloride (069166)	0.013%
	0.086%

000421-00435 000559-00026 003837-00064 008370-00017
012310-00023 014819-00012

6100.0516 **0.05% liquid-ready to use**

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	7.50%
	7.55%

008123-00005 008550-00023 037594-00012

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	9.00%
	9.05%

008154-00004

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	9.50%
	9.55%

008123-00012

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	11.02%
	11.07%

003682-00031

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	16.00%
	16.05%

008123-00021

0.05% liquid-ready to use (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	19.00%
	19.05%

000675-00008

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	20.00%
	20.05%

000541-00254

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	23.00%
	23.05%

003838-00026 003838-00032 005185-00056 005741-00011
009241-00002

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	23.50%
	23.55%

008123-00003

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	24.00%
	24.05%

000278-00047

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
phosphoric acid (076001)	20.00%
	20.05%

004170-00040 004170-00053

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
phosphoric acid (076001)	25.00%
	25.05%

005741-00003

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	25.00%
o-phenylphenol (064103)	0.40%
	25.45%

001658-00018

0.05% liquid-ready to use (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	23.00%
bis(tributyltin) oxide (083001)	0.01%
	23.06%

000099-00083 013938-00001

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	23.00%
tributyltin chloride complex of ethylene oxide condensate of abietylamine (083108)	0.01%
	23.06%

001111-00148 003635-00157 004170-00001

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	28.00%
tributyltin chloride complex of ethylene oxide condensate of abietylamine (083108)	0.01%
	28.06%

000915-00002

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.05%
hydrogen chloride (045901)	23.00%
triethylene glycol (083501)	0.01%
	23.06%

008155-00003

6200.0616 0.0562% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.056200%
didecyl dimethyl ammonium chloride (069149)	0.021075%
octyl decyl dimethyl ammonium chloride (069165)	0.042150%
dioctyl dimethyl ammonium chloride (069166)	0.021075%
	0.140500%

047651-00002

6200.0716 0.07% liquid-ready to use

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.07%
cetyl dimethyl ethyl ammonium bromide (069156)	0.07%
	0.14%

000504-00006

6200.0816 0.084% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.0840%
hydrogen chloride (045901)	24.0000%
didecyl dimethyl ammonium chloride (069149)	0.0320%
octyl decyl dimethyl ammonium chloride (069165)	0.0630%
dioctyl dimethyl ammonium chloride (069166)	0.0320%
	24.2110%

043701-00003

6200.1016 0.1% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.10%
hydrogen chloride (045901)	9.50%
	9.60%

001124-00054

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.10%
phosphoric acid (076001)	20.00%
	20.10%

005743-00002

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.10%
hydrogen chloride (045901)	23.00%
O-benzyl-p-chlorophenol (062201)	0.05%
	23.15%

001124-00055

6100.1516 0.15% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.15%
triethylene glycol (083501)	5.00%
	5.15%

000402-00109

6200.1616 0.16% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.16%
hydrogen chloride (045901)	26.00%
	26.16%

004313-00034 004313-00046

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.16%
didecyl dimethyl ammonium chloride (069149)	0.06%
octyl decyl dimethyl ammonium chloride (069165)	0.12%
dioctyl dimethyl ammonium chloride (069166)	0.06%
	0.40%

005741-00018

6 016 0.2% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.20%
hydrogen chloride (045901)	23.00%
	23.20%

010693-00002

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.20%
hydrogen chloride (045901)	24.00%
	24.20%

005991-00014

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.20%
triethylene glycol (083501)	12.30%
	12.50%

003837-00001

6200.2416 0.24% liquid-ready to use

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.24%
2,6-di-tert-butyl-p-cresol (022105)	0.10%
phenol (064001)	0.45%
alkyl*-N,N-di(hydroxyethyl)amine *alkyl (as in fatty acids of soybean oil) (069191)	2.50%
bis(tributyltin) oxide (083001)	0.10%
	3.39%

009647-00006

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.24%
propylene glycol (068603)	10.00%
	10.24%

000830-00022

6100.2516 0.25% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
hydrogen chloride (045901)	7.00%
	7.25%

001498-00015

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
hydrogen chloride (045901)	8.00%
	8.25%

008370-00001

0.25% liquid-ready to use (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
hydrogen chloride (045901)	15.20%
	15.45%

000052-00249

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
hydrogen chloride (045901)	23.00%
	23.25%

001015-00047

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
hydrogen chloride (045901)	24.00%
	24.25%

008370-00002 009347-00003

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
glycolic acid (000101)	1.70%
phosphoric acid (076001)	18.75%
	20.70%

008370-00004

6100.2616 0.26% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.26%
hydrogen chloride (045901)	23.00%
	23.26%

002527-00022

6100.2616 0.264% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.264%
hydrogen chloride (045901)	7.776%
o-dichlorobenzene (059401)	1.070%
	9.110%

005576-00034

6100.2716 0.27% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.27%
hydrogen chloride (045901)	23.00%
tributyltin neodecanoate (083111)	0.02%
	23.29%

009163-00001

Listing of Registered Pesticide Products by Formulation (continued)

&2)16 0.296% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.296%
propylene glycol (068603)	12.300%
	12.596%

000259-00025

&100.4216 0.42% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.42%
hydrogen chloride (045901)	10.46%
	10.88%

002230-00043

&100.5016 0.5% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
paraformaldehyde (043002)	0.25%
	0.75%

000334-00187

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
hydrogen chloride (045901)	9.50%
	10.00%

005741-00017

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
hydrogen chloride (045901)	20.00%
	20.50%

001750-00038

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
hydrogen chloride (045901)	23.00%
	23.50%

001622-00035

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
hydrogen chloride (045901)	26.00%
	26.50%

007701-00019

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
phosphoric acid (076001)	30.00%
	30.50%

005011-00147

0.5% liquid-ready to use (continued)

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
propylene glycol (068603)	16.00%
triethylene glycol (083501)	10.00%
	26.50%

005197-00013

&200.5616 0.562% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.56200%
didecyl dimethyl ammonium chloride (069149)	0.21075%
octyl decyl dimethyl ammonium chloride (069165)	0.42150%
dioctyl dimethyl ammonium chloride (069166)	0.21075%
	1.40500%

047651-00001

&100.7516 0.75% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.75%
propylene glycol (068603)	3.00%
	3.75%

007701-00027

&100.8016 0.8% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.80%
nonyloxyphenoxypolyethoxyethanol-iodine complex (046903)	0.01%
phosphoric acid (076001)	8.50%
sulfuric acid (078001)	4.70%
	13.91%

006811-00019

&100.9316 0.93% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.93%
oxalic acid (009601)	1.15%
hydrogen chloride (045901)	20.00%
phosphoric acid (076001)	7.30%
zinc chloride (087801)	0.77%
	30.15%

000830-00030

&100.9816 0.98% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.98%
hydrogen chloride (045901)	25.40%
1-(2-hydroxyethyl)-2-heptadecenyl-2-imidazoline (046605)	0.92%
	27.30%

009695-00004

& 016 1% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
hydrogen chloride (045901)	1.57%
phosphoric acid (076001)	17.00%
	19.57%

003367-00101 003367-00102 051033-00044 051033-00045

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
hydrogen chloride (045901)	3.15%
phosphoric acid (076001)	39.95%
	45.10%

003367-00103 051033-00046

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.00%
propylene glycol (068603)	15.00%
triethylene glycol (083501)	15.00%
	31.00%

006190-00006

&101.2016 1.2% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.20%
hydrogen chloride (045901)	25.18%
	26.38%

003640-00016 003640-00022 003640-00029

&101.2516 1.25% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.25%
phosphoric acid (076001)	10.16%
	11.41%

001251-00013

&101.2716 1.27% (0.12 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.27%
sodium pentachlorophenate and sodium salts of other chlorophenols (063003)	13.14%
2,4,5-trichlorophenol, sodium salt (064217)	1.69%
	16.10%

007547-00008

&101.4016 1.4% (0.12 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.40%
sodium pentachlorophenate and sodium salts of other chlorophenols (063003)	7.90%
2,4,5-trichlorophenol, sodium salt (064217)	2.00%
	11.30%

009743-00001

&101.5016 1.5% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	1.50%
hydrogen chloride (045901)	9.60%
	11.10%

005664-00018

&202.0016 2% liquid-ready to use

alkyl* dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.00%
alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) (069104)	9.00%
alkyl*dimethyl ethylbenzyl ammonium chloride *alkyl (50% C12, 30% C14, 17% C16, 3% C18) (069135)	9.00%
	20.00%

009640-00044

&102.3216 2.32% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.320%
hydrogen chloride (045901)	8.498%
	10.818%

007176-00007

&202.6016 2.6% (0.217 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	2.60%
dehydroabietylamine acetate (004201)	2.50%
dehydroabietylamine-ethylene oxide condensate (004203)	3.50%
alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) (069104)	2.10%
dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride (069119)	0.40%
bis(tributyltin) oxide (083001)	0.95%
	12.05%

001757-00076

&104.0016 4% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	4.00%
sodium pentachlorophenate (063003)	24.70%
sodium 2,4,5-trichlorophenate (064217)	11.50%
	40.20%

045017-00020

Listing of Registered Pesticide Products by Formulation (continued)

&)016 5% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
sodium dimethyl dithiocarbamate (034804)	4.00%
sodium pentachlorophenate and sodium salts of other chlorophenols (063003)	27.60%
2,4,6-trichlorophenol, sodium salt (064220)	9.10%
	45.70%

003876-00066

&105.0016 5% (0.47 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) 069105)	5.00%
copper sulfate anhydrous (024401)	9.60%
	14.60%

034571-00008

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
copper sulfate anhydrous (024401)	15.00%
	20.00%

003876-00051 003876-00059

&205.0016 5% (0.52 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
sodium dimethyl dithiocarbamate (034804)	4.00%
sodium pentachlorophenate and sodium salts of other chlorophenols (063003)	27.60%
2,4,5-trichlorophenol, sodium salt (064217)	9.10%
	45.70%

003876-00026 045017-00006 048525-00007

&205.0016 5% (0.53 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.00%
sodium pentachlorophenate and sodium salts of other chlorophenols (063003)	14.10%
2,4,5-trichlorophenol, sodium salt (064217)	6.70%
	25.80%

007547-00007

&205.1016 5.1% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.10%
copper sulfate anhydrous (024401)	2.18%
	7.28%

044723-00001

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Listing of Registered Pesticide Products by Formulation (continued)

&205.2016 5.2% (0.434 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.20%
dehydroabietylamine acetate (004201)	5.00%
dehydroabietylamine-ethylene oxide condensate (004203)	7.00%
alkyl*dimethyl benzyl ammonium chloride *alkyl (60% C14, 30% C16, 5% C12, 5% C18) (069104)	4.20%
dialkyl (60% C14, 30% C16, 5% C12, 5% C18) methyl benzyl ammonium chloride (069119)	0.80%
bis(tributyltin) oxide (083001)	1.90%
	24.10%

001757-00043

&205.3016 5.3% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	5.3%
bis(tributyltin) oxide (083001)	2.0%
	7.3%

009640-00041

&206.0016 6% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	6.00%
bis(tributyltin) oxide (083001)	2.00%
	8.00%

008637-00005

&208.0016 8% (0.67 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	8.00%
bis(tributyltin) oxide (083001)	2.00%
	10.00%

034891-00002

&210.0016 10% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	10.00%
copper sulfate anhydrous (024401)	10.00%
	20.00%

040916-00003

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	10.00%
beta-bromo-beta-nitrostyrene (101401)	10.00%
	20.00%

045017-00018

&212.5016 12.5% (1.04 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	12.50%
bis(tributyltin) oxide (083001)	2.25%
	14.75%

003876-00052   009386-00018

6 016 15% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	15.00%
bis(trichloromethyl) sulfone (035601)	20.00%
	35.20%

045017-00007

6215.2016 15.2% (1.32 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	15.20%
bis(trichloromethyl) sulfone (035601)	20.00%
	35.20%

003876-00128 045017-00015

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	15.20%
bis(trichloromethyl) sulfone (035601)	10.00%
dodecylguanidine hydrochloride (044303)	10.00%
	35.20%

003876-00052

6216.0016 16% (1.3 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	16.00%
bis(tributyltin) oxide (083001)	2.50%
	18.50%

000486-00005

6220.0016 20% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.00%
didecyl dimethyl ammonium chloride (069149)	7.50%
octyl decyl dimethyl ammonium chloride (069165)	15.00%
dioctyl dimethyl ammonium chloride (069166)	7.50%
	50.00%

007333-00002 009420-00007 042322-00001 046763-00001
046982-00002 049766-00004 051032-00008

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.00%
bis(tributyltin) oxide (083001)	3.90%
	23.90%

005135-00024

6220.0016 20% (1.65 lb/gal) liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	20.00%
bis(tributyltin) oxide (083001)	2.85%
	22.85%

009386-00022

&225.0016 25% liquid-ready to use

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	25.00%
bis(tributyltin) oxide (083001)	4.80%
	29.80%

052474-00002

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	25.00%
bis(tributyltin) oxide (083001)	5.00%
	30.00%

001187-00082

&200.0219 0.02% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.02%
alkyl*dimethyl benzyl ammonium chloride *alkyl (67% C12, 25% C14, 7% C16, 1% C18) (069175)	0.08%
	0.10%

000675-00033 000777-00032

&100.1019 0.1% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.10%
propylene glycol (068603)	3.00%
triethylene glycol (083501)	4.50%
	7.60%

004313-00042 004313-00050 010807-00007 010807-00008
010807-00023 010807-00024 010807-00025 010807-00026
010807-00072 010807-00117

&100.1719 0.17% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.17%
propylene glycol (068603)	5.13%
triethylene glycol (083501)	7.70%
	13.00%

010807-00038 010807-00039 010807-00040 010807-00043

&100.2019 0.2% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.20%
propylene glycol (068603)	10.00%
triethylene glycol (083501)	5.00%
	15.20%

001750-00048

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.20%
dipropylene glycol (068604)	4.00%
triethylene glycol (083501)	6.00%
	10.20%

009444-00019

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Listing of Registered Pesticide Products by Formulation (continued)

6[illegible]519 0.25% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.25%
4',5-dibromosalicylanilide (077402)	0.04%
3,4',5-tribromosalicylanilide (077404)	0.16%
	0.45%

005590-00133 005590-00144

6100.3319 0.33% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.33%
o-phenylphenol (064103)	0.25%
	0.58%

005590-00161 033176-00005

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.33%
o-phenylphenol (064103)	0.26%
	0.59%

005590-00155

6100.4019 0.4% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.40%
triethylene glycol (083501)	5.98%
	6.38%

010807-00020

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.40%
triethylene glycol (083501)	6.00%
	6.40%

000498-00037 008550-00011

6100.5019 0.5% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.50%
4',5-dibromosalicylanilide (077402)	0.04%
3,4',5-tribromosalicylanilide (077404)	0.16%
	0.70%

005590-00101

6100.5519 0.55% pressurized liquid

alkyl*dimethyl benzyl ammonium chloride *alkyl (50% C14, 40% C12, 10% C16) (069105)	0.55%
propylene glycol (068603)	12.00%
triethylene glycol (083501)	12.00%
	24.55%

006190-00003 006190-00004